

Useful  
**MATRIX**  
Information



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Useful  
**MATRIX**  
Information



1945

**Mergenthaler Linotype Company**

**Brooklyn 5, New York**

*Linotype Agency addresses shown on back cover*

## Linotype Serves

THIS SMALL BOOKLET contains a wealth of information concerning Linotype Matrices and their use. Many pertinent facts of a technical nature relating to the everyday problems that arise in Linotype composing rooms are briefly dealt with. As a convenient guide it can be helpful because it brings together many items for ready reference.

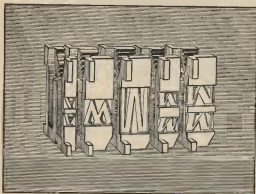
The big red SPECIMEN BOOK OF LINOTYPE FACES (and its SUPPLEMENTS) is the most complete typographic compendium in existence and should be consulted whenever a type problem arises. Get acquainted with its pages of reference material—the faces, figures, fractions, accents and special characters of every sort. They answer many difficult problems.

The knowledge and extensive experience of Linotype Production Engineers, backed by agency and headquarters staffs, are always at the service of printers, publishers and designers.

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# Useful MATRIX Information



The Mergenthaler Linotype Company normally carries in stock a full supply of matrices to meet the exacting demands of printers throughout the world. Matrices can be supplied for composition in over 800 different languages and dialects. With the great number of different characters to be supplied, the importance of giving careful attention to accuracy of detail in preparing orders will be appreciated.

Every possible facility is provided for the proper selection and ordering of matrices according to the style of face and the characters desired. Orders should be typewritten, preferably, and the name of the face given. One copy should be retained for reference.

## MATRIX ORDER FORMS

Linotype matrix order forms are supplied in any quantity, free upon request. They should always be used in ordering matrices. This enables us to fill orders correctly and promptly.

Order forms can be supplied for regular characters, accents, fractions, logotypes and other special characters, border matrices and matrix slides, as well as for all foreign characters. Always use the correct type of order form. Use one sheet for each face and point size thereof.

It is important for us to know the Linotype model for which the matrices are intended, as well as the particular style of magazine used. This is necessary because various Linotype models differ in so far as milling of matrix lugs and magazine capacities are concerned.

#### FULL NAME OF FACE

The full name of the face should always be entered at the top of each order, thus

- 6 point Excelsior with Italic and Small Caps; or
- 6 point Excelsior with Bold Face No. 2; or
- 6 point Excelsior with Gothic No. 3; or
- 6 Point Excelsior with Memphis Bold

We frequently receive orders, for example, 6 point Excelsior. As shown above, this face is made in various combinations, and in such cases it is difficult to fill the order correctly without asking for further information.

#### TRIANGLE NUMBERS

The system of marking matrices is shown in the illustrations on page 4. The triangle is the trade-mark of the Mergenthaler Linotype Company. When uncertain of the correct name of face, matrices may be ordered according to the numerical marking on the side. The triangle number should always be entered on the matrix order form. Always copy the marking exactly, as, for instance, 10  $\Delta$  386. Do not choose a matrix at random or take one from a pi tray to obtain the triangle marking. Select a lower case n from the face for which matrices are wanted; if figures are ordered select a figure 5. The reason for this is that reference characters, quads, leaders, special characters and fractions in some fonts bear markings different from the alphabet character.

#### ACCENTED CHARACTERS

The standard accents shown on page 14 will be supplied with any standard face at the regular sorts price. Characters not shown can be made to order at a special price which will be quoted on request.

There are two ways to accommodate accents on Linotype matrices—low cap accents and high cap accents. It is the usual practice to supply the low cap form of accented character so as to avoid the use of a special mold. The character is slightly reduced so that the diacritical mark and the character will not exceed the normal height of the cap character.

When low cap accents are considered undesirable, we can supply high cap accents. The extra space required by this style of accent on a cap character of full height makes it necessary to change the aligning point of the mold so that the accent will cast flush on the smooth edge of the slug without trimming off. This makes it necessary to cast a given size on a body two points larger than standard up to 14 point and approximately 4 points larger than standard on display faces. The high cap accent mold can be

used on regular composition with or without accents and the extra space above mentioned will appear on the smooth edge instead of the ribbed edge of the slug.

In Lining Gothic faces, accents which descend below the line of the character in any body size cannot be made unless the face is cast on a larger body than is laid out for the individual point sizes.

In the a, b, c and d sizes of Lining Gothic faces, accented characters can be made to cast from the regular mold, because there is sufficient head space to bring the character within the limits of the body. High Cap Accents only will be supplied for the largest sizes of 6, 12 and 18 point faces. The use of these will, of course, require a high cap mold.

High cap accents cannot be cast in display faces larger than 32 point, as full 36 point body is required for the cap character and its accent. Where caps only are used, high cap accents can be cast in display faces up to 36 point.

### FRACTIONS

In ordering fractions, always state whether they are to run in the regular channels of the magazine or as sorts. Unless otherwise specified, they will be furnished as sorts.

Also mention whether fractions are required on an em or en body. Unless otherwise ordered, they are all furnished on an em body.

### SUPERIOR AND INFERIOR CHARACTERS

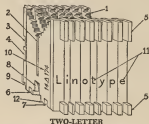
When these characters are ordered, a sample character should accompany the order. This will enable us to fill the order accurately.

### SPECIAL CHARACTERS

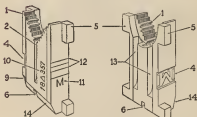
Special characters are frequently ordered from our specimen books. These specimen books contain individual showings of Linotype faces, each bearing different publication dates. Since the advent of our Universal Classification in 1923, all character numbers as shown in the specimen books prior to the Universal Classification lists have been discontinued. Therefore, when ordering a special character by number, the source from which the character number is taken should always be entered on the order under "Remarks."

### KEY TO MATRIX TERMS

In order that the terms and functions of various parts of a matrix may be readily understood, we present the diagrams shown below:



TWO-LETTER



## DISPLAY

1. **Teeth.** Projections on the inside of the triangular opening at the top of the matrix. There are seven of these teeth on either side. The teeth which are left in are called the tooth combination. As the matrix travels along the distributor bar, it is supported by corresponding teeth on the bar. At a predetermined point, the teeth on the bar are cut away. The matrix, being no longer supported, drops through the channel entrance and to its proper place in the magazine. A matrix with all the teeth in is called a "pi" matrix, and passes all the combinations on the distributor bar, falling down the pi chute to the pi stacker.

2. **Bar Point Slot.** This is a slot projecting downward toward the bottom of the matrix. The object is to make all matrices of the same thickness at this one point. The slot registers with the projecting blade on the distributor box bar to prevent the lifting of two matrices at one time into the distributing screws.

3. Regular Position. This denotes the character in the regular or normal position of a two-letter matrix. Matrices from 4 to 24



point can be supplied with two characters. Above 24 point only one character can be used.

**4. Auxiliary Position.** This denotes the character in the auxiliary or raised position. Characters on one-letter display matrices, 16 to 60 point, are also in the auxiliary position.

**5. Lugs.** These are sometimes called "ears." They are made to a certain thickness according to the magazine channel in which the matrix is to run. The lugs are the guiding points of the matrix throughout its travel. The lower lug (on the character side) determines the horizontal alignment of the character in the matrix, for this lug banks against the aligning groove in the mold body.

**6. Font Slot.** This is a small slot in the bottom of the matrix for use on single distributor machines. In conjunction with the automatic font distinguisher, it prevents wrong fonts from entering the magazine.

**7. Bridge Notch.** A slightly larger opening than the font slot. It is used in conjunction with the matrix bridge on multiple distributor Linotypes to permit the matrix to distribute to its proper magazine.

**8. Bevel Notch.** A notch cut in matrices for Models such as 9, 16 and 17, and used to prevent two matrices from being lifted at one time into the distributor screws.

**9. Clearance Cut.** This is a feature of Linotype matrices. It protects the side walls of matrices as they are assembled.

**10. Triangle Number.** The triangle is the trade-mark of the Mergenthaler Linotype Company. The number before the triangle indicates the point size of the matrix. The number after the triangle indicates the name of the matrix face. The entire marking should always be given when ordering matrices.

**11. Reference Marking.** These are characters punched in the reference side of the matrix to enable the operator to read the line of matrices as they are assembled.

**12. Face Lines.** These are lines cut in the bottom of two-letter matrices (and on the reference side of display matrices) to identify the font. When matrices of a two-letter font are stacked in a sorts tray, the various lines match up and tell at a glance whether a wrong font matrix is present. With display faces, wrong font matrices can be detected in the sorts tray or the assembling elevator, since the face lines are on the reference side of the matrix.

**13. Lightening Grooves.** As the name implies, these grooves are cut in large matrices to lighten them. On extra large matrices a lightening hole is used instead of a slot.

**14. Bevel Cut.** An angle cut used on larger matrices to permit proper distribution.

## LEADERS

To enable you to accurately identify your leaders and thus give us the needed data to interpret your orders, the following information will prove useful.

### Characteristics

**REGULAR:** Punched to cast type high. Weight varies with face and point size.

**UNIVERSAL:** Punched shallow to minimize make-ready time. Weight of dot or stroke exactly the same in all faces and point sizes, 4 to 14 point, to keep appearance of composition uniform. Not suitable for newspaper composition as the soft press blankets of newspaper presses will cause the small dot or stroke to punch through the paper.

**NEWSPAPER:** These are "Regular" leaders punched shallow to guard against their punching through newsprint and damaging press blankets.

**RADIAL:** These dot leaders, in addition to being punched shallow, have a radial or rounded printing surface as a further safeguard against fracturing the fibre of newsprint. Weight of dot the same in all faces and point sizes, 5 to 14 point.

**DASH:** These hairline dashes are punched to cast type high. In presenting an uninterrupted printing surface to the paper they avoid all tendency to punch through.

### Ordering

#### 1. WHAT SIZE AND FACE?

Give the point size and  $\Delta$  number of the face with which the leaders are to be used.

#### 2. WHAT KIND?

There are five different kinds—avoid mixing them in a font. Check the one kind you desire. See identification markings below.

#### 3. WHAT STYLE?

Dots or strokes? How many to the em? If 4 or 6, be careful whether they are dots or strokes. Note below that styles available vary with the different kinds of leaders, except in the cases of Radial and Dash Leaders. En styles carry half the number of dots or strokes of their respective em styles.

KIND	MARKING	STYLES AVAILABLE
Regular	(no Special)	2, 4 or 6 dots or strokes to em
Universal	UL	2, 4 or 6 dots or 2 or 4 strokes to em
Newspaper	NP	2 dots or strokes to em
Radial	S5	2 dots to em
Dash	DL	1 dash (joining) to en or em

The table shown below is a duplicate of that shown on the "Linotype Matrix Order." It illustrates the correct method of ordering leaders and spaces.

LEADERS			
Kind (Check One)	Style (Check One)	Quantity (Fill in)	
Regular	2 Dots (..) to Em	Leader in regular position, Space in auxiliary position:	
Universal (UL)	4 Dots (....) to Em	En Leaders	
Newspaper (NP)	6 Dots (.....) to Em	Em Leaders	
Radial (SS)	2 Strokes (..) to Em	Em Leaders in ffi	
*Dash (DL)	4 Strokes (....) to Em	Space in regular position, Leader in auxiliary position:	
*On en or em size of face. For Leader Dash on true pica-em size, order below.	6 Strokes (.....) to Em	En Spaces	
		Em Spaces	
DASHES		SPACES	
Regular Alignment	Leader Alignment (On true pica-em size)	Hair	Blank
En (-)	2 Pts. (.0277)	1 Pt.	Thin
Em (—)	3 Pts. (.0416)	1 Pt.	En
* 1/4 Em	6 Pts. (.0833)	1 1/2 Pt.	Em
*Non-Joining	12 Pts. (.1666)		

### FIGURES

**Figure Design.** It is important to note the design of the two styles of figures available with old style faces: *old style*, and *modernized*.

The style desired should always be specified on supply orders and machine specifications.

#### Old Style Figures

1 2 3 4 5 6 7 8 9 0

*Old Style* figures have ascenders and descenders, and have the modeled serifs and tapering thick and thin strokes characteristic of old style type faces.

#### Modernized Figures

1 2 3 4 5 6 7 8 9 0

*Modernized* figures are old style figures brought to a common alignment, with the shapes of the 1, 2 and 0 changed accordingly.

**Figure sizes.** It is our practice to make figures, spaces, and all table characters in new faces on a true-set basis, with the pica em of .166 as the standard unit.

*Useful Matrix Information*

The width of the largest figures which run in the various magazines, is as follows:

<i>Main Magazines</i>	<i>Largest Figure</i>
90-channel, regular channels.....	.1107
90-channel, ad. fig. channels.....	.166
72-channel .....	.2075
Wide 90-channel reg. and ad. fig. channels.....	.1937
Wide 72-channel .....	.249
<i>Auxiliary Magazines</i>	<i>Largest Figure</i>
28-channel .....	.218
34-channel, left side.....	.249
34-channel, right side.....	.221
Wide 34-channel, left side.....	.315
Wide 34-channel, right side.....	.311

In some display faces (for 90-channel magazine) it is necessary to make the figures on a wider set, running from .1245 to .166. Figures in these fonts will have to be cut to run "pi" or in the Advertising Figure Layout (Diagram No. 32). When such faces are ordered, do not fail to indicate plainly whether figures are to run "pi" or according to Advertising Figure Layout.

Please note that it is possible to run only two sets of advertising figures in both the 34-channel and wide auxiliary magazines, including points, dollar and cent marks, although at first glance it might appear that three sets of figures could be made to run. In order to make two sets run it was necessary to select channels having the widest range, and on account of their arrangement a third set cannot be provided for.

### SPACES

**Em Spaces.** Double figure spaces are furnished as em spaces, except in certain wide 14-point faces in which the em space would be too wide to run in the channels. If the double figure space is too wide to run in the em space channel, a channel of em spaces will be supplied for em space channel.

The largest space supplied as standard in any display font is size .249, or 18 points. We have discontinued furnishing of spaces size .333 as standard for channel No. 30 of the 72-channel magazine and include in its place the .249 size. Further, as standard for fonts running in the auxiliary magazine, the maximum size of the spaces is .249, regardless of the figure size of the face the spaces are intended to work with. Spaces larger than size .249 will be supplied only upon request.

**Thin Spaces.** Regular thin spaces measure .025, .0277, .031, .035, .0385, .0415 and .0484.

**Hair Spaces.** Hair spaces do not have combination teeth and are inserted in the line by hand. Made in thickness of .0035, .007, .008, .010, .012, .014, .015, .018, .018, .020, .021, and .022. Hair spaces are not included in standard font schemes and must be ordered separately.

## 18- AND 24-POINT TWO-LETTER MATRICES

With these matrices, the character in the normal or regular position is punched in the same position on the matrix as the roman character in regular two-letter matrices, 4 to 14 point, inclusive. The position of the auxiliary character is on the standard 45-point constant line.

The character in the auxiliary position of 18- and 24-point two-letter matrices can only be cast on a two-letter display mold. The character in the regular position is cast on a two-letter display mold but may also be cast overhanging on a regular advertising figure mold. The characters in the regular position of 18-point two-letter matrices can, in addition, be cast on a regular 18-point recessed mold.

The characters in the regular position of 18- or 24-point two-letter display faces can be used for two-line Advertising Figure work, the same as regular one-letter advertising figures punched in the regular position. A regular advertising figure mold is used. Characters in the auxiliary position can be cast on the special two-letter display mold with the auxiliary position characters of 4- to 14-point two-letter faces, for one-line food store work. The alignment of 4- to 14-point characters with the two-letter display characters varies according to point size of 4- to 14-point face.

When using 18- and 24-point two-letter matrices, it is sometimes necessary to use the same figure in both positions. We will supply, on request, any standard 18- and 24-point figures punched duplicate character for use on the 18- and 24-point two-letter display mold.

## POINT SYSTEM

Sizes of Type		Standards of Measurement for Figures, Spaces and other Matrix Table Characters	
Excelsior	3 point	1....	.01363
Brilliant	4 point	2....	.0377
Diamond	4½ point	3....	.0415
Pearl	5 point	4....	.0553
Agate	5½ point	4½....	.0622
Nonpareil	6 point	5....	.0692
Minion	7 point	5½....	.0761
Brevier	8 point	6....	.083
Bourgeois	9 point	7....	.0966
Long Primer	10 point	8....	.1107
Small Pica	11 point	9....	.1245
Pica	12 point	10....	.1383
English	14 point	11....	.1522
Thickness of Leads and Slugs		12....	.166
12 to Pica	.01383	13....	.1798
10 to Pica	.0166	14....	.1937
8 to Pica	.0207	15....	.2075
		16....	.2214
		16....	.249
		20....	.2766
		22....	.3044
		24....	.332
		26....	.3596
		28....	.3874
		30....	.415
		32....	.4426
		34....	.4703
		36....	.498
		40....	.5532
		42....	.561
		46....	.664
		54....	.747
		60....	.890
		66....	.913
		72....	.996

Point System. Prior to about 1886, each typefounder was a law unto himself in the matter of type standards. Brevier, for example, made by one foundry would not justify with brevier from another foundry. The pica "em" in use up to that time had been obtained by dividing an inch into six parts, equaling, decimally, .1666". When the present point system of the American Type Founders' Association was decided upon in 1886, the fraction was

Useful Matrix Information

eliminated and a standard "pica" em adopted, measuring .166". This standard of measurement is used by the Mergenthaler Linotype Company, and one-twelfth of the pica, .166, equals one point, .01383. One-quarter of a point is the unit used in the manufacture of our matrices on the point-set system.

**Didot System.** The Didot point measures .01483 of an inch. The Didot unit is the Cicero, which equals 12 corps, or .178 of an inch. The American (Linotype) unit is the pica em, measuring 12 point, or .166 of an inch. The Didot system of measurement is used in France and in most of the countries of continental Europe, and is commonly known as the French system.

**Mediaan System.** The Mediaan point measures .01374 of an inch, and the Mediaan em or Cicero .1649 of an inch. This point system is used in Belgium. Mediaan beight to paper is .934.

### BRIDGE NOTCHING FOR MODELS HAVING A FIXED BRIDGE

On the above models, the upper distributor box is fitted with a fixed bridge which can be changed when necessary. The matrix is lifted with the distributor screws and rides on the distributor box rails to the bridge. If the matrix is notched to correspond to the bridge projections, it will drop over the bridge projections so that the matrix teeth will not engage the distributor bar teeth. Then, after crossing the bridge, it falls through a chute to the lower distributor box which feeds the upper magazine.

If the matrix is supported by any bridge projections, it will maintain its alignment with the teeth of the upper distributor bar and be carried to the lower magazine. Thus any font whose bridge notches do not match the bridge projections, also any unnotched matrices, will run in the lower magazine.

The standard bridge-cutting of matrices, unless otherwise specifically ordered, consists of three notches, comprising any three between Nos. 2 and 7 inclusive with the exception of one carrying notches 5-6-7, which is not desirable. This cutting refers to the upper magazine only. Matrices for the lower main and lower auxiliary magazines will be unnotched unless otherwise ordered. Matrices for the upper auxiliary magazine will be cut with notches 2 to 7, inclusive, in order to drop on any bridge in use.



## MATRIX BRIDGES

Point Size of Matrix 5½, 9, 18 and 38		Point Size of Matrix 6, 6½, 7, 10½, 11½, 12, 14, 21, 24 and 28		Point Size of Matrix 6½, 8, 10, 16, 20, 30 and 32	
Bridge No.	Bridge Notches	Bridge No.	Bridge Notches	Bridge No.	Bridge Notches
351	2-3-5	352	2-3-6	354	2-3-7
358	2-5-7	353	3-4-6	355	2-4-7
361	3-5-7	357	3-6-7	356	3-4-7
363	2-4-5	359	2-6-7	357	3-6-7
364	3-5-6	360	4-6-7	358	2-5-7
365	4-5-6	364	3-5-6	359	2-6-7
366	2-5-6	365	4-5-6	360	4-6-7
369	4-5-7	366	2-5-6	361	3-5-7
370	3-4-5	368	2-4-6	369	4-5-7
			5, 11, 22 and 34		
			*362		2-3-4

\* In addition to bridge No. 362, any of the bridges specified for the various point sizes can be used, except those having a No. 7 notch.

### BRIDGE NOTCHING FOR MODELS HAVING A MOVABLE BRIDGE

The separation of matrices in such Models is controlled by a single bridge projection which is positioned by an indicator dial. Since only two adjacent magazines can be in operating position at one time, it is merely necessary to position the single bridge projection to correspond to a notch in the matrices in the upper position, which does not appear in the matrices in the lower position. The matrices from the upper magazine will then drop on the bridge and pass to the upper magazine while the matrices from the lower magazine will ride across the bridge and pass to the lower magazine.

The location and size of the bridge notches for matrices to run in these models, is the same as for those used on Models having the fixed bridge. Only one notch is used for separation.

### BRIDGE NOTCH AND FONT SLOT LOCATIONS

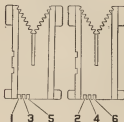
The facsimile diagrams shown (page 12) may be used as gauges to identify the bridge notch or font slot in matrices which are to run in the Models 25, 26, 29, 30, 35 and 36. Please note that bridge notches 1 and 8 are only shown on Model 25 and 26 matrices to take care of outstanding matrices with such notches. The standard bridge notching for Models 25, 26, 29, 30, 35 and 36 comprise notches between 2 and 7 inclusive,

BRIDGE NOTCHES  
MODELS 25, 26, 29, 30, 33, 36  
MATRICES



BRIDGE NOTCHES  
MODEL 9  
MATRICES

FONT SLOTS  
SINGLE DISTRIBUTOR  
MATRICES



The font slot numbers for various point sizes are as follows:

Font Slot No.	Point Sizes
1	5, 11, 22, 34
2	6½, 10, 13, 20, 26, 30, 60
3	4, 7½, 7½, 8, 16, 27, 32
4	4½, 6½, 7, 11½, 14, 21, 28, 42
5	6, 10½, 12, 24, 48
6	5½, 9, 18, 36, 54



# MATRIX BRIDGES FOR MODEL 9

Matrices on the Model 9 are separated in the primary distributor for the various magazines by means of small bridges having different combinations of projections.

All matrices used in the Model 9 must have the beveled notch, in addition to the bridge notches for separating fonts for the various magazines.

The various bridge combinations are listed below:

Bridge			Bridge			Bridge		
Old	New	Notches	Old	New	Notches	Old	New	Notches
1	...	1-2-8	17	117	2-3-8	32	107	3-4-6
2	...	1-2-3	18	...	1-2-4	33	...	1-7-8
3	103	2-5-8	19	119	3-4-5	34	101	2-7-8
4	...	1-2-5	20	120	3-5-8	35	115	3-7-8
5	...	1-2-8	21	121	4-5-8	36	116	4-7-8
6	...	1-3-6	22	...	1-3-5	37	...	1-6-7
7	...	1-4-6	23	...	1-4-5	38	105	2-6-7
8	108	2-3-6	24	...	1-5-8	40	106	3-6-7
9	...	1-3-4	25	102	2-3-5	41	113	4-6-7
10	...	1-2-7	26	126	2-4-8	42	127	8-7-8
11	...	1-3-7	27	111	3-4-7	...	104	2-5-8
12	...	1-4-7	28	109	3-4-8	...	122	3-5-6
13	...	2-3-7	29	124	2-4-5	...	123	4-5-8
14	114	1-3-8	30	112	3-4-7	...	125	5-6-7
15	...	1-4-8	31	118	2-4-8	...	...	...

Note:—Every combination selected must include bridge notch corresponding to respective font slot of matrices, as indicated below:

Font Slot	Corresponding Bridge Notch	Font Slot	Corresponding Bridge Notch
5, 11, 22, 34 Point	8	4, 7½, 8, 16, 27, 32 Point	6
6, 6½, 7, 10½, 11½, 12		6½, 10, 13, 20, 30, 60 Point	7
14, 21, 24, 28, 42, 48 Point	5	5½, 9, 18, 36, 54 Point	Font Slot cut out by bevel

## ACCENTS

The following is a list of accented characters required in the printing of all languages to which the Linotype is adapted. Characters shown in this list are available in nearly all active faces, and will be supplied at sorts price of the face. Characters not shown will be made to order at a special price.

[illegible]

# TOOTH COMBINATION CHART

## 90-Channel and Wide 90-Channel Magazine

Chan. No.	Chan. Size	Char.	Teeth in Combination	Chan. No.	Chan. Size	Char.	Teeth in Combination
0	.050	e 1st	2	48	.055	En Leader	5-8
1	.050	e	1-2	47	.040	Apostrophe	1-5-8
2	.050	t	3	48	.055	Asterisk	2-5-8
3	.060	a	1-3	49	.055	1	1-2-5-8
4	.050	o	2-3	50	.055	2	3-5-8
5	.040	i	1-2-3	51	.055	3	1-3-5-8
6	.060	m	4	52	.055	4	2-3-5-8
7	.050	s	1-4	53	.055	5	1-2-3-5-8
8	.060	h	2-4	54	.055	8	4-5-8
9	.050	r	1-2-4	55	.055	7	1-4-5-8
10	.060	d	3-4	58	.055	8	2-4-5-8
11	.040	l	1-3-4	57	.055	9	1-2-4-5-8
12	.070	u	2-3-4	58	.055	0	3-4-5-8
13	.060	c	1-2-3-4	59	.055	5	1-3-4-5-8
14	.090	m	5	60	.100	Em Leader	2-3-4-5-8
15	.050	f	1-5	61	.090	E	1-2-3-4-5-8
18	.090	w	2-5	82	.080	T	7
17	.060	y	1-2-5	83	.090	A	1-7
18	.060	p	3-5	64	.080	O	2-7
19	.060	v	1-3-5	65	.080	I	1-2-7
20	.060	b	2-3-5	88	.090	N	3-7
21	.060	g	1-2-3-5	67	.070	S	1-3-7
22	.070	k	4-5	68	.100	H	2-3-7
23	.060	q	1-4-5	89	.090	R	1-2-3-7
24	.040	j	2-4-5	70	.090	D	4-7
25	.070	x	1-2-4-5	71	.080	L	1-4-7
26	.050	z	3-4-5	72	.090	U	2-4-7
27	.060	n	1-3-4-5	73	.070	C	1-2-4-7
28	.060	h	2-3-4-5	74	.100	M	3-4-7
29	.070	H	1-2-3-4-5	75	.080	F	1-3-4-7
30	.090	M	6	76	.110	W	2-3-4-7
31	.090	W	1-6	77	.090	Y	1-2-3-4-7
32	.090	Em Space	2-6	78	.080	P	5-7
33	.040	Comma	1-2-8	79	.090	V	1-5-7
34	.040	Period	3-8	80	.080	B	2-5-7
35	.050	Colon	1-3-8	81	.080	G	1-2-5-7
36	.050	Semicolon	2-3-8	82	.090	K	3-5-7
37	.060	Interrogation	1-2-3-8	83	.080	Q	1-3-5-7
38	.035	Figure Space	4-6	84	.060	J	2-3-5-7
39	.040	{	1-4-8	85	.090	X	1-2-3-5-7
40	.040	Vertical Rule	2-4-8	88	.070	Z	4-5-7
41	.040	Front Quote	1-2-4-6	87	.090	on or @	1-4-5-7
42	.050	Exclamation	3-4-6	88	.090	m or lb	2-4-5-7
43	.040	Hyphen	1-3-4-6	89	.060	&	1-2-4-5-7
44	.040	Thin Space	2-3-4-8	90	.090	Em Dash	3-4-5-7
45	.040	}	1-2-3-4-6				

# TOOTH COMBINATION CHART

## 72-Channel and Wide 72-Channel Magazine

Chan. No.	Chan. Size	Char.	Teeth in Combination	Chan. No.	Chan. Size	Char.	Teeth in Combination
0	.050	e 1st	2	10	.060	d	3-4
1	.050	e	1-2	11	.040	i	1-3-4
2	.050	t	3	12	.070	u	2-3-4
3	.060	a	1-3	13	.060	c	1-2-3-4
4	.050	o	2-3	14	.080	m	5
5	.040	i	1-2-3	15	.050	f	1-5
6	.060	n	4	18	.090	w	2-5
7	.050	s	1-4	17	.060	y	1-2-5
8	.080	h	2-4	18	.060	p	3-5
9	.050	r	1-2-4	19	.060	v	1-3-5

# TOOTH COMBINATION CHART

## 72-Channel and Wide 72-Channel Magazine—Continued

Chan. No.	Chan. Size	Char.	Teeth in Combination	Chan. No.	Chan. Size	Char.	Teeth in Combination
20	.060	b	2-3-5	47	.060	I	1-2-7
21	.060	g	1-2-3-5	48	.090	N	3-7
22	.070	k	4-5	49	.070	S	1-3-7
23	.080	q	1-4-5	50	.100	H	2-3-7
24	.040	j	2-4-5	51	.090	R	1-2-3-7
25	.070	x	1-2-4-5	52	.090	D	4-7
26	.050	z	3-4-5	53	.090	L	1-4-7
27	.040	Comma	1-2-6	54	.090	U	2-4-7
28	.040	Period	3-6	55	.070	C	1-2-4-7
29	.050	Semicolon	2-3-6	56	.100	M	9-4-7
30	.090	Em Space	1-3-4-5	57	.080	F	1-3-4-7
31	.055	1	1-2-3-6	58	.110	W	2-3-4-7
32	.055	2	3-5-6	59	.090	Y	1-2-3-4-7
33	.055	3	1-3-5-6	60	.080	P	5-7
34	.055	4	2-3-5-6	61	.090	V	1-5-7
35	.055	5	1-2-3-5-6	62	.080	B	2-5-7
36	.055	Figure Space	4-6	63	.080	C	1-2-5-7
37	.055	6	4-5-6	64	.090	K	3-5-7
38	.055	7	1-4-5-6	65	.080	Q	1-3-5-7
39	.055	8	2-4-5-6	66	.060	J	2-3-5-7
40	.055	9	1-2-4-5-6	67	.090	X	1-2-3-5-7
41	.055	0	3-4-5-6	68	.070	Z	4-5-7
42	.040	Thin Space	2-3-4-6	69	.040	Hyphen	1-4-5-7
43	.090	E	1-2-3-4-5-6	70	.040	Thin Space	2-4-5-7
44	.080	T	7	71	.040	Apostrophe	1-2-4-5-7
45	.090	A	1-7	72	.055	\$	3-4-5-7
46	.080	O	2-7				

# TOOTH COMBINATION CHART

## 55-Channel Arrangement of 72-Channel Magazine

Chan. No.	Chan. Size	72-Chan. Char.	55-Chan. Char.	Teeth in Combination
0	.050	e 1st	a	2
1	.050	e		1-2
2	.050	t	O	3
3	.080	a		1-3
4	.050	o	e	2-3
5	.040	i	f	1-2-3
6	.060	n	Figure Space	4
7	.050	s		1-4
8	.060	h	A	2-4
9	.050	r		1-2-4
10	.060	d	o	3-4
11	.040	l	Thin Space	1-3-4
12	.070	u	n	2-3-4
13	.080	c	i	1-2-3-4
14	.090	m	h	5
15	.050	f	d	1-5
16	.090	w		2-5
17	.080	y	B	1-2-5
18	.060	p	N	3-5
19	.060	v		1-3-5
20	.060	b	c	2-3-5
21	.060	g	w	1-2-3-5
22	.070	k		4-5
23	.060	q	b	1-4-5
24	.040	j	y	2-4-5
25	.070	x		1-2-4-5
26	.050	z	g	3-4-5
27	.040	Comma	Comma	1-2-6
28	.040	Period		3-6

# TOOTH COMBINATION CHART

## 55-Channel Arrangement of 72-Channel Magazine—Continued

Chan. No.	Chan. Size	72-Chan. Char.	55-Chan. Char.	Teeth in Combination
29	.050	Semicolon	z	2-3-6
30	.060	End Space	Y	1-0-4-5
31	.055	1	S	1-2-3-6
32	.055	2	g	3-5-6
33	.055	3	Period	1-3-5-6
34	.055	4	E	2-3-5-6
35	.055	5		1-2-3-5-6
36	.055	Figure Space	C	4-6
37	.055	6	x	4-5-6
38	.055	7	G	1-4-5-6
39	.055	8		2-4-5-6
40	.055	9	T	1-2-4-5-6
41	.055	0		3-4-5-6
42	.040	Thin Space	t	2-3-4-6
43	.060	E	M	1-2-3-4-5-6
44	.080	T		7
45	.090	A	p	1-7
46	.080	O	k	2-7
47	.060	I	r	1-2-7
48	.090	N	H	3-7
49	.070	S		1-5-7
50	.100	H	Q	2-3-7
51	.090	R	t	1-2-3-7
52	.090	D	K	4-7
53	.080	L	Hyphen	1-4-7
54	.090	U	V	2-4-7
55	.070	C	I	1-2-4-7
56	.100	M	m	3-4-7
57	.080	F	i	1-3-4-7
58	.110	W	D	2-3-4-7
59	.090	Y	v	1-2-3-4-7
60	.080	P	F	5-7
61	.090	V	I	1-5-7
62	.080	B	W	2-5-7
63	.080	G		1-2-5-7
64	.060	K	L	3-5-7
65	.080	Q	u	1-3-5-7
66	.060	J	P	2-3-5-7
67	.090	X		1-2-3-5-7
68	.070	Z	R	4-5-7
69	.040	Hyphen	l	1-4-5-7
70	.040	Thin Space		2-4-5-7
71	.040	Apotrophe	U	1-2-4-5-7
72	.055	\$		3-4-5-7

# TOOTH COMBINATION CHART

## Commercial Fractions

### 90-Channel Magazine. Diagram No. 2 or 11

When commercial fractions are run in the magazine they usually displace other characters, as follows:

Char.	Chan.	Chan.	Teeth in Size Combination	Char.	Chan.	Chan.	Teeth in Size Combination
1/2	68		.090 6	3/4	70	Z	4-5-7
1/4	69		.090 1-6	1/2	71	lb	2-4-5-7
3/8	Interrogation	.060	1-2-3-6	3/8		&	0.60 1-2-4-5-7
1/8	Asterisk	.055	2-5-8				

# TOOTH COMBINATION CHART

## 28-Channel Auxiliary Magazine

Chan. No.	Chan. Size	Char.	Teeth in Combination	Chan. No.	Chan. Size	Char.	Teeth in Combination
1	.070	A	1-3-4-5-7	15	.070	K	3-4-6-7
2	.070	O	1-2-3-4-5-7	16	.070	Y	2-3-4-6-7
3	.070	H	6-7	17	.070	E	1-3-4-6-7
4	.070	V	1-6-7	18	.070	S	1-2-3-4-6-7
5	.070	B	2-6-7	19	.070	L	5-6-7
6	.070	P	1-2-6-7	20	.070	Z	1-5-6-7
7	.070	I	3-6-7	21	.070	F	2-5-6-7
8	.070	W	1-3-6-7	22	.070	T	1-2-5-6-7
9	.070	C	2-3-6-7	23	.070	M	3-5-6-7
10	.070	Q	1-2-3-6-7	24	.070	Period	2-3-5-6-7
11	.070	J	4-6-7	25	.070	G	1-3-5-6-7
12	.070	X	1-4-6-7	26	.070	U	1-2-3-5-6-7
13	.070	D	2-4-6-7	27	.070	N	4-5-6-7
14	.070	R	1-2-4-6-7	28	.070	Comma	1-4-5-6-7

## 34-Channel Auxiliary Magazine

Chan. No.	Chan. Size	Chan. Size	Char.	Teeth in Combination	Chan. No.	Chan. Size	Chan. Size	Char.	Teeth in Combination
1	.055	1		2-3-4-5-7	18	.050	S		1-3-4-6-7
2	.055	2		1-3-4-5-7	19	.060	H		1-2-3-4-6-7
3	.050	3		1-2-3-4-5-7	20	.050	R		5-6-7
4	.040	4		6-7	21	.060	D		1-5-6-7
5	.040	5		1-6-7	22	.040	L		2-5-6-7
6	.050	6		2-6-7	23	.070	U		1-2-5-6-7
7	.055	7		1-2-6-7	24	.060	C		3-5-6-7
8	.055	8		3-6-7	25	.090	M		2-3-5-6-7
9	.055	9		1-3-6-7	26	.050	F		1-3-5-6-7
10	.055	0		2-3-6-7	27	.090	W		1-2-3-5-6-7
11	.055	Em Sp.		1-2-3-6-7	28	.060	Y		4-5-6-7
12	.030	E		4-6-7	29	.060	P		1-4-5-6-7
13	.050	T		1-4-6-7	30	.060	V		2-4-5-6-7
14	.060	A		2-4-6-7	31	.060	B		1-2-4-5-6-7
15	.050	O		1-2-4-6-7	32	.060	G		3-4-5-6-7
16	.040	I		3-4-6-7	33	.070	K		2-3-4-5-6-7
17	.060	N		2-3-4-6-7	34	.040	J		1-3-4-5-6-7

\*Also for Wide 34-Channel Auxiliary Magazine with narrow lug channels.

## Wide 34-Channel Auxiliary Magazine

Chan. No.	Chan. Size	Chan. Size	Chan. Size	Char.	Teeth in Combination	Chan. No.	Chan. Size	Chan. Size	Chan. Size	Char.	Teeth in Combination
1	.055	.000	1		2-3-4-5-7	18	.070	S			1-3-4-6-7
2	.055	.090	2		1-3-4-5-7	19	.100	H			1-2-3-4-6-7
3	.050	.090	3		1-2-3-4-5-7	20	.090	R			5-6-7
4	.040	.090	4		6-7	21	.090	D			1-5-6-7
5	.040	.090	5		1-6-7	22	.090	L			2-5-6-7
6	.060	.090	6		2-6-7	23	.090	U			1-2-5-6-7
7	.055	.090	7		1-2-6-7	24	.070	C			3-5-6-7
8	.055	.090	8		3-6-7	25	.100	M			2-3-5-6-7
9	.055	.090	9		1-3-6-7	26	.080	F			1-3-5-6-7
10	.055	.090	0		2-3-6-7	27	.100	W			1-2-3-5-6-7
11	.055	.090	Em Sp.		1-2-3-6-7	28	.090	Y			4-5-6-7
12	.090	E			4-6-7	29	.090	P			1-4-5-6-7
13	.090	T			1-4-6-7	30	.090	V			2-4-5-6-7
14	.090	A			2-4-6-7	31	.080	B			1-2-4-5-6-7
15	.080	O			1-2-4-6-7	32	.080	G			3-4-5-6-7
16	.060	I			3-4-6-7	33	.090	K			2-3-4-5-6-7
17	.090	N			2-3-4-6-7	34	.060	J			1-3-4-5-6-7

\*For Wide 34-Channel Auxiliary Magazine used on Super Display Models and on other models where large display faces are to be used exclusively.

# TOOTH COMBINATION CHART

## Advertising Figures

### 90-Channel Magazine

#### Diagram No. 92

Char.	Chan.	Chan. Size	Teeth in Combination
1	#	.060	2-3-4-5
2	th	.090	6
3	th	.090	1-6
4	?	.060	1-2-3-6
5		.040	2-4-6
6	*	.055	2-5-6
7	X	.090	1-2-3-5-7
8	Z	.070	4-5-7
9	sp	.090	1-4-5-7
0	th	.090	2-4-5-7
\$	!	.050	3-4-6
Period	(	.040	1-4-6
Comma	)	.040	1-2-3-4-6
¢	&	.060	1-2-4-5-7

### 34-Channel Auxiliary Magazine

#### Diagram No. 51A (Two Sets of Figures)

Char.	Chan.	*Chan. Size	Teeth in Combination
1	1	.055	2-3-4-5-7
2	2	.055	1-3-4-5-7
3	3	.050	1-2-3-4-5-7
4	4	.040	6-7
5	5	.040	1-6-7
6	6	.050	2-6-7
7	7	.055	1-2-6-7
8	8	.055	3-6-7
9	9	.055	1-3-6-7
0	0	.055	2-3-6-7
Period	E	.050	4-6-7
Comma	T	.050	1-4-6-7
\$	A	.060	2-4-6-7
¢	O	.050	1-2-4-6-7
1	C	.060	3-5-6-7
2	M	.090	2-3-5-6-7
3	F	.050	1-3-5-6-7
4	W	.090	1-2-3-5-6-7
5	Y	.060	4-5-6-7
6	P	.060	1-4-5-6-7
7	V	.060	2-4-5-6-7
8	B	.060	1-2-4-5-6-7

### 34-Channel Auxiliary Magazine

Char.	Chan.	*Chan. Size	Teeth in Combination
9	G	.060	3-4-5-6-7
0	K	.070	2-3-4-5-6-7
Period	R	.050	5-6-7
Comma	D	.060	1-5-6-7
\$	L	.040	2-5-6-7
¢	U	.070	1-2-5-6-7

\*Also for Wide 34-Channel Auxiliary Magazine with narrow lug channels.

### 28-Channel Auxiliary Magazine

#### Diagram No. 96 (Two Sets of Figures)

Char.	Chan.	Chan. Size	Teeth in Combination
1	A	.070	1-3-4-5-7
2	B	.070	2-6-7
3	C	.070	2-3-6-7
4	D	.070	2-4-6-7
5	E	.070	1-3-4-6-7
6	F	.070	2-5-6-7
7	G	.070	1-3-5-6-7
8	H	.070	6-7
9	I	.070	3-6-7
0	J	.070	4-6-7
Period	K	.070	3-4-6-7
Comma	L	.070	5-6-7
\$	M	.070	3-5-6-7
¢	N	.070	4-5-6-7
1	O	.070	1-2-3-4-5-7
2	P	.070	1-2-6-7
3	Q	.070	1-2-3-6-7
4	R	.070	1-2-4-6-7
5	S	.070	1-2-3-4-6-7
6	T	.070	1-2-5-6-7
7	U	.070	1-2-3-5-6-7
8	V	.070	1-6-7
9	W	.070	1-3-6-7
0	X	.070	1-4-6-7
Period	Y	.070	2-3-4-6-7
Comma	Z	.070	1-5-6-7
\$	Period	.070	2-3-5-6-7
¢	Com's	.070	1-4-5-6-7

### 34-Channel Wide Auxiliary Magazine

#### Diagram No. 51A (Two Sets of Figures)

Char.	Chan.	Chan. Size	Chan. Size	Teeth in Combination
1	1	.055	.090	2-3-4-5-7
2	2	.055	.090	1-3-4-5-7
3	3	.050	.090	1-2-3-4-5-7
4	4	.040	.090	6-7
5	5	.040	.090	1-6-7
6	6	.050	.090	2-6-7
7	7	.055	.090	1-2-6-7
8	8	.055	.090	3-6-7
9	9	.055	.090	1-3-6-7
0	0	.055	.090	2-3-6-7
Period	E	.090		4-6-7
Comma	T	.090		1-4-6-7
\$	A	.090		2-4-6-7
¢	O	.090		1-2-4-6-7
1	C	.070		3-5-6-7
2	M	.100		2-3-5-6-7
3	F	.060		1-3-5-6-7
4	W	.100		1-2-3-5-6-7
5	Y	.060		4-5-6-7
6	P	.060		1-4-5-6-7
7	V	.060		2-4-5-6-7
8	B	.060		1-2-4-5-6-7
9	G	.080		3-4-5-6-7
0	K	.090		2-3-4-5-6-7
Period	R	.090		5-6-7
Comma	D	.090		1-5-6-7
\$	L	.080		2-5-6-7
¢	U	.090		1-2-5-6-7

†For Wide 34-Channel Auxiliary Magazine used on Super Display Models and on other models where large display faces are to be used exclusively.

## FACE IDENTIFICATION NUMBERS

Matrices are marked on the sides for the purpose of easy identification as follows: 6Δ8, 8Δ12, etc. The triangle is a trademark and has nothing whatever to do with the identification of the font and face. The figure on the left of the triangle indicates the point size and the figure on the right indicates the name of the face and not its number. Thus, for instance, 10Δ8 does not mean 10 point No. 8, but 10 point Caslon with Italic and Small Caps; 8Δ12 does not mean 8 point No. 12, but 8 point Cheltenham with Italic and Small Caps. These reference marks will be found convenient for ordering sorts for fonts already in use. If in doubt when ordering sorts, send a sample, lower-case "n," with order.

To conserve space certain abbreviations have been used in the following list. The abbreviations and equivalent full name are as follows:

Ad.—Advertising	Figs.—Figures
Adv.—Advertising	It.—Italic
Aux.—Auxiliary	Lin.—Lining
Bd.—Bold	Logos.—Logotypes
Bk.—Book	LA.—Light
Blk.—Black	O. S.—Old Style
B. F.—Bold Face	Outl.—Outline
Cd.—Condensed	Pos.—Position
Cond.—Condensed	S. C.—Small Caps
D. C.—Duplicate Character	St.—Store
Ex.—Extra	Tele.—Teletype
Exp.—Expanded	V. S.—Vertical Slug
Fd.—Food	w.—with

### ONE-LETTER

5½-Point	8-Point
5½Δ1 Borders	8Δ1 Borders
5½Δ17 B. F. No. 1, Depressed	8Δ21 Porson Greek, 7-pt. align.
6-Point	8Δ39 Gothic Cond. No. 2
6Δ1 Borders	8Δ69 Gothic Cond. No. 1
6Δ48 Greek No. 1 (Part Font)	8Δ71 Hebrew
6Δ45 Bold Face No. 3, Figs.	8Δ87 Porson Greek
6Δ49 No. 2 Vert. Slug	8Δ101 Russian Church
6Δ53 Gothic Cond. No. 2	8Δ105 B. F. No. 6, Figs.
6Δ57 B. F. No. 1, Figs.	8Δ133 B. F. No. 9, Figs.
6Δ59 Gothic No. 3, Figs.	8Δ151 Lino Text
6Δ123 Gothic Cond. No. 2	8Δ137 Gothic No. 41, Figs.
(V. S.) Caps	8Δ159 Gothic No. 16, Figs.
6Δ125 Gothic No. 16, Figs.	8Δ161 Hebrew, 7-pt. align.
6Δ129 Bell Gothic Bold	(Special for English)
6Δ131 Market Gothic	8Δ165 Gothic 12 (7-pt. sl.), Caps
7-Point	9-Point
7Δ27 B. F. No. 9, Figs.	9Δ23 Borders
7Δ31 B. F. No. 1, Figs.	9Δ29 Hebrew No. 2
7Δ43 Gothic Cond. No. 1, Figs.	9Δ31 Modern Hebrew
7Δ51 Borders	9Δ45 Porson Greek
7Δ61 Gothic 13 (6-pt. sl.), Caps	9Δ47 Worrell Uncial Greek and
7Δ63 Gothic 12 (6-pt. sl.), Caps	Coptic
	9Δ49 Worrell Uncial



# Face Identification Numbers—(Cont.)

## ONE-LETTER

10-Point	12-Point—(Cont.)
10Δ1 Borders	12Δ153 Gothic Cond. No. 2
10Δ23 Porson Greek	(V. S.), Caps
10Δ41 Gothic Cond. No. 2	12Δ157 Devanagari
10Δ69 Gothic Cond. No. 1	12Δ163 Gothic No. 16
10Δ75 B. F. No. 3, Figs.	12Δ165 Urdu
10Δ91 Caslon Text	12Δ167 Gothic No. 41, Figs.
10Δ101 Cond. Outline	12Δ169 Gujarati
10Δ103 B. F. No. 6, Figs.	12Δ173 Memphis Bd., Part Font
10Δ115 Gothic No. 38	12Δ175 Porson Greek
10Δ123 Narciss	12Δ179 Worrell Uncial Greek
10Δ125 Lino Text	and Coptic
10Δ131 Card Italic	12Δ183 Worrell Uncial
10Δ137 Gothic Cond. No. 2	12Δ185 Gothic No. 13, V. S., Caps
(V. S.), Caps	& Figs.
10Δ139 Gothic No. 16	
10Δ143 Gothic No. 41, Figs.	
10Δ153 Metroblack No. 2	
11-Point	14-Point
11Δ17 Gothic Cond. No. 1	14Δ3 Gothic Cond. No. 2
11Δ31 B. F. No. 3, Figs.	14Δ5 Gothic Cond. No. 1
11Δ37 Hebrew No. 2	14Δ7 Cent. Bd. Rom., Ad. Figs.
11Δ45 Russian Church	14Δ9 Gothic No. 16, Ad. Figs.
11Δ49 Hebrew No. 2 (10-pt. al.)	14Δ11 Mid Gothic, Ad. Figs.
Special for English	14Δ13 Cheltenham Bd. Ad. Figs.
11Δ51 Hebrew No. 2 (12-pt. al.)	14Δ33 Gothic No. 18
Special for English	14Δ39 Chelt. Bd. Cond., Ad. Figs.
11Δ55 Porson Greek	14Δ43 Cheltenham Bd. Ex. Cond.
12-Point	14Δ61 Gothic No. 13
12Δ17 Gothic Cond. No. 2	14Δ63 Cheltenham It., Ad. Figs.
12Δ29 Caslon Text	14Δ65 B. F. No. 6, Ad. Figs.
12Δ53 B. F. No. 3, Figs.	14Δ67 Ambic
12Δ57 Gothic No. 15	14Δ77 Gothic Relief, Caps
12Δ65 Gothic No. 18	14Δ79 Russian Church
12Δ69 Cond. Outline	14Δ83 Arabic Bd.
12Δ75 B. F. No. 6, Figs.	14Δ85 Narciss
12Δ79 Hebrew	14Δ87 Gothic 38, 15-pt. align.
12Δ81 Hebrew Cond.	14Δ89 Arabic Old Style
12Δ85 Borders	14Δ91 Arabic Bd. Old Style
12Δ105 Jacobite	14Δ95 Lino Text
12Δ109 Lino Text	14Δ97 Card Italic
12Δ121 Nestorian	14Δ103 Borders
12Δ125 Gothic Cond. Outline	14Δ117 Caslon Bd. Cond.
(15-pt. align.)	14Δ119 Gothic No. 16
12Δ127 Narciss	14Δ121 Gothic No. 41, Figs.
12Δ129 Gothic No. 38	14Δ123 Memphis Bd. Ad. Figs.
12Δ141 Card Italic	14Δ133 Erbar Bd. Cond. V.S., Figs.
	14Δ135 Caslon Bd. Cond.
	14Δ137 Cheltenham, Figs.
	14Δ139 Erbar Bd. Cond., Caps

## TWO-LETTER

4-Point	5-Point—(Cont.)
4Δ2 Cent. Exp. w. Gothic 16	5Δ28 Ionic No. 5 w. It. & S. C.
4Δ4 Century Expanded w. It.	5Δ30 Old Style 1 w. It. & S. C.
4½-Point	5Δ32 Excelsior w. B. F. No. 2
4½Δ2 No. 6 w. Gothic No. 16	5Δ34 Hebrew Light and Bd.
5-Point	5Δ36 Excelsior w. Gothic No. 3
5Δ2 No. 10 w. Gothic No. 4	5Δ38 Caslon Bd. w. It.
5Δ4 No. 1 w. Gothic Cd. 1, Figs.	5Δ40 Excelsior w. It. & S. C.
5Δ6 Spec. Gothic 9, D.C., Figs.	5Δ42 Gothic No. 3 Duplicate
5Δ8 No. 10 w. It. & S. C.	Cond. Spartan Duplicate
5Δ10 Gothic No. 9 D. C., Figs.	
5Δ14 No. 22 w. Sp. Goth. 9, Figs.	5½-Point
5Δ18 No. 18 w. Ant. Bk. No. 1	5½Δ2 No. 2 w. B. F. No. 2
5Δ20 O. S. No. 1 w. Chelt. Bd.	5½Δ4 No. 1 w. It. & S. C.
5Δ22 Universal Leaders	5½Δ10 No. 1 w. B. F. No. 1, Figs.
5Δ24 Ionic No. 5 w. B. F. No. 2	5½Δ12 No. 1 w. B. F. No. 2, Figs.
	5½Δ24 No. 11 w. Goth. Cd. No. 4
	5½Δ32 No. 4 w. B. F. No. 2 Cd.
	5½Δ36 No. 28 w. B. F. No. 28

# Face Identification Numbers—(Cont.)

## TWO-LETTER

### 5½-Point—(Cont.)

5½Δ36	Spec. Gothic 8, Figs., D.C.
5½Δ42	Ionie No. 5 w. B. F. No. 2
5½Δ44	Ionie No. 5 w. It. & S. C.
5½Δ48	Excelsior w. B. F. No. 2
5½Δ50	Excelsior w. It. & S. C.
5½Δ52	Tele. Ionie 5 w. B. F. 2
5½Δ54	Excelsior w. Gothic No. 3
5½Δ60	Opticon w. B. F. No. 2
5½Δ62	Tele. Excelsior w. B. F. 2
5½Δ64	Ionie No. 5 w. Gothic 16
5½Δ66	Paragon w. Paragon Bd.
5½Δ66	Borders

### 6-Point

6Δ2	No. 1 w. It. & S. C.
6Δ4	No. 2 w. It. & S. C.
6Δ6	No. 3 w. Gothic No. 3
6Δ8	O. S. No. 1 w. It. & S. C.
6Δ12	No. 1 w. B. F. No. 2
6Δ14	O. S. No. 1 w. Ant. No. 1
6Δ16	Ronaldson w. It. & S. C.
6Δ24	De Vinne w. It. & S. C.
6Δ26	De Vinne w. It. & S. C.
6Δ32	No. 12 w. Gothic No. 8
6Δ34	No. 28 w. It. & S. C.
6Δ42	Century Exp. w. It. & S. C.
6Δ48	No. 1 w. Clarendon 1, Figs.
6Δ50	No. 2 w. Ant. No. 2
6Δ56	No. 2 w. Gothic No. 6 (Vertical Slug)
6Δ58	Russian No. 6 w. It.
6Δ62	No. 16 w. It. & S. C.
6Δ70	No. 3 w. B. F. No. 1
6Δ74	No. 28 w. Ant. Bk. No. 1
6Δ76	No. 10 w. Gothic No. 4
6Δ82	No. 2 w. Goth. Cd. 2, Figs.
6Δ86	Org. O. S. w. It. & S. C.
6Δ86	No. 21 w. Ant. No. 6, Figs.
6Δ90	O. S. No. 1 w. Title No. 1
6Δ94	Cent. Exp. w. Cent. Bd.
6Δ96	Scotch w. It. & S. C.
6Δ96	Ant. No. 1 w. It.
6Δ100	No. 1 w. Goth. No. 8, Figs.
6Δ102	O. S. No. 3 w. It. & S. C.
6Δ110	No. 16 w. Century Bd.
6Δ116	Spec. Gothic 9 Figs., D. C.
6Δ120	No. 11 w. Goth. Cd. No. 4
6Δ122	No. 6 w. B. F. No. 2
6Δ124	O. S. No. 1 w. Chelt. Bd.
6Δ132	No. 17 w. Cond. Title 5
6Δ130	No. 21 w. It. & S. C.
6Δ134	No. 2 D. C. Vert. Slug
6Δ136	Bodoni Bd. w. It.
6Δ136	Bodoni w. It. & S. C.
6Δ160	Caslon No. 3 w. It. & S. C.
6Δ162	Cheltenham Bold w. It.
6Δ164	Goth. 25A w. 6-pt. Goth. Cond. 2, Caps & Figs.
6Δ166	Goth. 25B w. 8-pt. Goth. Cond. 2, Caps & Figs.
6Δ168	Goth. 25C w. 6-pt. Goth. No. 26C, Caps & Figs.
6Δ170	Goth. 25 w. 6-pt. Goth. No. 26, Caps & Figs.
6Δ172	Century Exp. w. Chelt. Bd.
6Δ174	Greek No. 3
6Δ176	No. 11B w. Gothic Cd. 4B
6Δ180	Chelt. Wide w. Chelt. Bd.
6Δ164	Borders

### 6-Point—(Cont.)

6Δ186	No. 2 w. B. F. No. 2
6Δ192	Bodoni Book w. It. & S. C.
6Δ194	O. S. No. 7 w. It. & S. C.
6Δ202	Caslon No. 2 w. It. & S. C.
6Δ204	Gothic No. 29 w. Gothic No. 30, Caps & Figs.
6Δ206	Gothic No. 29C w. Gothic No. 30C, Caps & Figs.
6Δ208	Gothic No. 29B w. Gothic No. 30B, Caps & Figs.
6Δ210	Gothic No. 29A w. Gothic No. 30A, Caps & Figs.
6Δ212	B. F. No. 9 w. Gothic No. 31, Caps & Figs.
6Δ214	B. F. No. 9C w. Gothic No. 31C, Caps & Figs.
6Δ216	B. F. No. 9B w. Gothic No. 31B, Caps & Figs.
6Δ216	B. F. No. 9A w. Gothic No. 31A, Caps & Figs.
6Δ224	Caslon O. F. w. It. & S. C.
6Δ232	Chelt. Bd. Cond. w. It.
6Δ236	Gothic No. 32 w. Gothic No. 33, Caps & Figs.
6Δ236	Gothic No. 32A w. Gothic No. 33A, Caps & Figs.
6Δ240	Gothic No. 32B w. Gothic No. 33B, Caps & Figs.
6Δ242	Gothic No. 32C w. Gothic No. 33C, Caps & Figs.
6Δ246	Gothic No. 31 w. Gothic No. 33, Caps & Figs.
6Δ250	Benedict Bk. w. It. & S. C.
6Δ252	Gothic No. 31A w. Gothic No. 33A, Caps & Figs.
6Δ254	Gothic No. 31B w. Gothic No. 33B, Caps & Figs.
6Δ256	Gothic No. 31 w. Gothic No. 32, Caps & Figs.
6Δ256	Gothic No. 31A w. Gothic No. 32A, Caps & Figs.
6Δ260	Gothic No. 31B w. Gothic No. 32B, Caps & Figs.
6Δ262	Gothic No. 31C w. Gothic No. 32C, Caps & Figs.
6Δ268	Gloister Bold w. It.
6Δ270	Gothic No. 31C w. Gothic No. 33C, Caps & Figs.
6Δ274	Garamond w. It. & S. C.
6Δ276	Cloister W. w. Cloister Bd.
6Δ280	Cloister w. It. & S. C.
6Δ286	Garamond Bold w. It.
6Δ288	Ionie No. 5 w. B. F. No. 2
6Δ290	Hebrew w. It.
6Δ296	Textype w. B. F. No. 2
6Δ298	Metroblack w. Metrodite
6Δ300	Metrodite w. Metrodite
6Δ302	Ionie No. 5 w. It. & S. C.
6Δ304	Textype w. It. & S. C.
6Δ306	Granjon w. Granjon Bd.
6Δ310	Metrobik. 2 w. Metrodite 2
6Δ312	Metrodite. 2 w. Metrodite No. 2
6Δ314	Excelsior w. B. F. No. 2
6Δ320	Excelsior w. It. & S. C.
6Δ322	Memphis Light and Bold
6Δ324	Tele. Excelsior w. Goth. 3
6Δ326	Memphis Med. w. It. & S. C.
6Δ364	Memphis Bold w. It.

# Face Identification Numbers—(Cont.)

## TWO-LETTER

### 6-Point—(Cont.)

6Δ366 Excelsior w. Gothic No. 3  
6Δ368 Memphis Lt. w. It. & S. C.  
6Δ372 Granjon w. It. & S. C.  
6Δ374 Tele. Excelsior w. B. F. 2  
6Δ376 Lin. Metromed. w. Lin.  
Metromed. Caps & Figs.  
6Δ378 Lin. Metromed. A w. Lin.  
Metromed. A, Caps &  
Figs.  
6Δ380 Lin. Metromed. B. w. Lin.  
Metromed. B, Caps &  
Figs.  
6Δ382 Lin. Memphis Lt. w. Lin.  
Memphis Bd., Caps &  
Figs.  
6Δ384 Lin. Memphis Lt. A w. Lin.  
Memphis Bd. A. Caps &  
Figs.  
6Δ386 Lin. Memphis Lt. B w. Lin.  
Memphis Bd. B. Caps &  
Figs.  
6Δ388 Paragon w. Paragon Bd.  
6Δ390 Paragon w. It. & S. C.  
6Δ392 Metromed. No. 2 w. It.  
6Δ394 Bookman w. It. & S. C.  
6Δ396 Garamond Bd. No. 3 w. It.  
& S. C.

6Δ398 Garamond No. 3 w. It. &  
S. C.

6Δ410 Caslon Bd. w. It.

6Δ418 Memphis Med. w. Bd.

6Δ418 Bell Gothic, Two-Letter

6Δ420 Opticon w. B. F. No. 2

6Δ424 Opticon w. It. & S. C.

6Δ426 Excelsior w. Memphis Bd.

6Δ428 Baskerville w. It. & S. C.

6Δ432 Teletype Paragon w. Bd.

6Δ434 Metrolite No. 2 w. It.

6Δ436 Metrolite No. 2 w. It.

6Δ442 Metrolite 2 w. Metrolite 2

6Δ444 Gothic Cd. 5, D. C., Figs.

6Δ448 Greek Metromed. T. L.

6Δ448 Greek Metrolite, T. L.

6Δ450 Tele. Excelsior w. It. & S. C.

6Δ452 Spartan Medium w. Hvy.

6Δ454 Spartan Black w. It.

6Δ456 Caledonia w. Bd.

6Δ458 Opticon w. Gothic No. 16

6Δ462 Bank Goth. Lt. w. Med.

6Δ464 Bank Goth. A Lt. w. Med.

6Δ466 Bank Goth. B Lt. w. Med.

6Δ468 Bank Goth. C Lt. w. Med.

6Δ470 Spartan Duplicate

6Δ472 No. 11 w. Gothic No. 4  
(Self-Spacing)

6Δ474 Caledonia w. It. & S. C.

6Δ476 Fairfield w. It. & S. C.

### 6½-Point

6½Δ2 Ionic No. 5 w. B. F. No. 2  
6½Δ8 Ionic No. 5 w. It. & S. C.  
6½Δ10 Bell Gothic, Two-Letter

### 6¾-Point

6¾Δ2 Ionic No. 5 w. B. F. No. 2  
6¾Δ4 Ionic No. 5 w. It. & S. C.

### 7-Point

No. 2 w. B. F. No. 1  
No. 1 w. It. & S. C.  
No. 16 w. It. & S. C.  
Caslon w. It. & S. C.  
O. S. No. 1 w. It. & S. C.  
No. 28 w. It. & S. C.  
No. 28 w. Ant. Blk. No. 1  
No. 1 w. Doric No. 1  
No. 2 w. Gothic No. 3  
No. 1 w. B. F. No. 1, Figs.  
No. 2 w. It. & S. C.  
O. S. No. 1 w. Ant. No. 1  
No. 18 w. Century Bd.  
B. F. No. 3 Figs., D. C.  
No. 2 w. Ant. Blk. 1, Figs.  
Gothic No. 4 Figs., D. C.  
No. 2 w. Cond. Title No. 3  
No. 21 w. It. & S. C.  
No. 2 w. Gothic 8, Figs.  
Century Exp. w. Bold  
Borders

No. 2 w. B. F. No. 2

Century Exp. w. It. & S. C.

No. 1 w. B. F. No. 2

Bodoni w. It. & S. C.

Bodoni Blk. w. It. & S. C.

O. S. No. 7 w. It. & S. C.

No. 21 w. Gothic No. 4

Benedict. Blk. w. It. & S. C.

No. 12 w. Gothic No. 11

Ionic No. 5 w. B. F. No. 2

Ionic No. 5 w. It. & S. C.

Texttype w. B. F. No. 2

Texttype w. It. & S. C.

No. 2 Excel. w. B. F. No. 2

No. 1 Excel. w. B. F. No. 2

No. 1 Excel. w. It. & S. C.

No. 2 Excel. w. It. & S. C.

Tele. 1 Excel. w. B. F. 2

Tele. Ionic 5 w. B. F. 2

No. 21B w. It. & S. C.

Caslon No. 3 w. It. & S. C.

No. 1 Excel. w. Gothic 3

No. 2 Excel. w. Gothic 3

Tele. 1 Excel. w. Gothic 3

Paragon w. Paragon Bd.

Paragon w. It. & S. C.

Opticon w. B. F. No. 2

Caslon 137 w. It. & S. C.

Bookman w. It. & S. C.

Garam'd 3 w. It. & S. C.

Garam'd Bd. No. 3 w. It.  
& S. C.

Bodoni Bd. w. It.

Opticon w. It. & S. C.

Elzutra w. It. & S. C.

Baskerville w. It. & S. C.

Tele. Paragon w. Bold

Bell Gothic, Two-Letter

Excelsior w. Memphis Bd.

Baskerville w. Bd.

Tele. Excel. w. It. & S. C.

Baskerville Bd. w. It.

Texttype Bd. w. Italic

Bell Goth. w. 8 pt. Goth. 12

Opticon w. Memphis Bd.

# Face Identification Numbers—(Cont.)

## TWO-LETTER

### 7½-Point

7½Δ2	Ionic No. 5 w. B. F. No. 2
7½Δ4	Ionic No. 5 w. It. & S. C.
7½Δ6	Excelsior w. B. F. No. 2
7½Δ8	Excelsior w. It. & S. C.
7½Δ10	Opticon w. B. F. No. 2
7½Δ12	Teletype Ionic 5 w. B. F. 2
7½Δ18	Opticon w. It. & S. C.
7½Δ18	Paragon w. Paragon Bd.
7½Δ20	Paragon w. It. & S. C.
7½Δ22	Tele. Excelsior w. B. F. 2
7½Δ24	Excelsior w. Memphis Bd.
7½Δ28	Corona w. B. F. No. 2
7½Δ30	Corona w. It. & S. C.
7½Δ32	Corona w. Gothic
7½Δ34	Tele. Corona w. Gothic

### 7¼-Point

7¼Δ2	Excelsior w. B. F. No. 2
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### 8-Point

8Δ2	No. 2 w. It. & S. C., 7-pt. al
8Δ4	No. 2 w. Goth. 6 (V. S.), Figs.
8Δ8	No. 2 w. Cond. Title No. 3
8Δ8	No. 2 w. B. F. 1, 7-pt. al.
8Δ10	No. 1 w. It. & S. C., 7-pt. al.
8Δ12	Cheft. w. It. & S. C.
8Δ16	De Vinne w. Ant. No. 3, 7-pt. align.
8Δ18	De Vinne w. It. & S. C., 7-pt. align.
8Δ20	German No. 3 w. B. F. 2
8Δ24	Caslon w. It. & S. C.
8Δ26	Century Exp. w. It. & S. C.
8Δ30	O. S. No. 1 w. It. & S. C.
8Δ32	Bemington Typewriter w. Underscore
8Δ38	No. 19 w. It. & S. C., 7-pt. align.
8Δ40	No. 19 w. Title 1, 7-pt. al.
8Δ42	Scotch w. It. & S. C., 7-pt. align.
8Δ48	No. 28 w. It. & S. C.
8Δ50	O. S. No. 1 w. Ant. No. 1
8Δ52	No. 28 w. Ant. Bk. No. 1
8Δ54	No. 16 w. It. & S. C.
8Δ58	Russian 11 w. Ant. Bk. 2
8Δ60	Cheft. w. Bk. w. It.
8Δ70	No. 2 w. Gothic 3, 7-pt. al.
8Δ80	No. 2 w. Ionic 3 (V. S.), Figs.
8Δ82	Scotch w. It. & S. C.
8Δ88	No. 2, 7-pt. align., w 10-pt. Clarendon No. 1
8Δ94	Russian Cond. No. 2 w. Ant. Bk. No. 2
8Δ98	Russian Cond. No. 2 w. It.
8Δ98	No. 1 w. It. & S. C.
8Δ108	Classic w. Century Bd.
8Δ110	Russian No. 11 w. It.
8Δ114	Antique No. 1 w. It.
8Δ118	O. S. No. 3 w. It. & S. C.
8Δ120	De Vinne w. It. & S. C.
8Δ122	Russian No. 3 Ld. and Bd.
8Δ122	Century Exp. w. Bd.
8Δ128	No. 16 w. Century Bd.
8Δ130	Gothic No. 8 Figs., D. C.
8Δ132	No. 1 w. Gothic Cond. 2, Figs., 7-pt. align.
8Δ134	O. S. No. 1 w. Title No. 1

### 8-Point—(Cont.)

8Δ138	Orig. O. S. w. It. & S. C.
8Δ140	No. 21 w. Ant. 6, Figs.
8Δ150	Greek No. 3
8Δ156	Cheft. Wide w. Cheft. Bd.
8Δ164	De Vinne w. Ant. No. 3
8Δ166	Cheft. Cld. w. Cheft. Bd. Cond.
8Δ178	Cheft. Bd. Cld. w. It.
8Δ190	Armenian No. 1 w. No. 2
8Δ194	No. 1 w. B. F. No. 2
8Δ196	O. S. No. 1 w. Title No. 2
8Δ206	Gothic 16 w. Title No. 4
8Δ208	Caslon No. 3 w. It. & S. C.
8Δ210	No. 2 w. B. F. No. 1, Figs.
8Δ212	O. S. No. 7 w. It. & S. C.
8Δ214	No. 21 w. It. & S. C.
8Δ218	O. S. No. 1 w. Cheft. Bd.
8Δ222	Bodoni Bd. w. It.
8Δ240	No. 2 w. Gothic 8, Figs.
8Δ242	No. 17 w. Cond. Title 5
8Δ254	Century Exp. w. Cheft. Bd.
8Δ258	No. 2 D. C. (V. S.), Figs.
8Δ260	Gothic No. 18 Figs., D. C.
8Δ262	Bodoni w. It. & S. C.
8Δ280	Bodoni Bk. w. It. & S. C.
8Δ282	No. 21 w. Ant. 8, Figs., 7-pt. align.
8Δ298	Caslon No. 2 w. It. & S. G.
8Δ308	Cent. Bd. w. Cent. Bd. It.
8Δ310	Borders
8Δ312	Caslon O. F. w. It. & S. C.
8Δ314	Ant. Bd. No. 1 Figs., D. C.
8Δ318	Gothic 13 w. Cheft. Bd. Cond.
8Δ320	Gothic 16 w. Cheft. Bd.
8Δ360	Benedict. Bk. w. It. & S. G.
8Δ370	Cloister Bd. w. It.
8Δ372	Garamond w. It. & S. C.
8Δ374	Cloister Wide w. Cloister Bold
8Δ378	Cloister w. It. & S. C.
8Δ380	Garamond Bd. w. It.
8Δ382	Ionic No. 5 w. B. F. No. 2
8Δ384	Ionic No. 5 w. It. & S. C.
8Δ386	Granjon w. It. & S. C.
8Δ392	Fahst Ex. Bd. w. It., Figs.
8Δ394	Textype w. B. F. No. 2
8Δ398	Textype w. It. & S. C.
8Δ408	Hebrew w. It.
8Δ410	Metroblack w. Metroline
8Δ412	Foster Bodoni w. It.
8Δ414	Metroline w. Metrothin
8Δ416	Scotch No. 2 w. It. & S. C.
8Δ418	Granjon w. Granjon Bd.
8Δ420	Baskerville w. It. & S. C.
8Δ424	No. 1 Exel. w. B. F. 2
8Δ426	Metroblk. 2 w. Metroline 2
8Δ428	Metroline 2 w. Metrothin No. 2
8Δ432	No. 1 Exel. w. It. & S. G.
8Δ434	Tarif Typewriter
8Δ438	Janson w. It. & S. C.
8Δ442	Memphis Light w. Bold
8Δ448	Estienne w. It. & S. C.
8Δ448	Memphis Bd. w. It.
8Δ450	Memphis Lt. w. It. & S. C.
8Δ456	Memphis Mod. w. It. & S. C.
8Δ458	Bengali Light and Bd.
8Δ462	Paragon w. Paragon Bd.

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# Face Identification Numbers—(Cont.)

## TWO-LETTER

### 8-Point—(Cont.)

84464	Paragon w. It. & S. C.
84466	Caslon 137 w. It. & S. C.
84468	No. 2 Excel. w. Gothic 3
84470	Bookman w. It. & S. C.
84476	Garam'd Bd. No. 3 w. It. & S. C.
84478	Garam'd 3 w. It. & S. C.
84480	Tele. No. 1 Excel. w. B. F. No. 2
84482	Opticon w. B. F. No. 2
84484	Electra w. It. & S. C.
84488	Memphis Med. w. Bold
84490	Goth. 44 w. Goth. 42, Figs.
84492	Goth. 45 w. Goth. 43, Figs.
84494	Metromed. No. 2 w. It.
84498	Opticon w. It. & S. C.
84502	Excel. w. Memphis Bd.
84504	Erbar Lt. Cd. w. Bd. Cd.
84506	Memphis Ex. Bd. w. It.
84508	Bell Gothic, Two-Letter
84510	Greek Metrolite, T. L.
84512	Metrolite No. 2 w. It.
84518	Metrolite No. 2 w. It.
84518	Tele. Ionic 5 w. B. F. 2
84520	Metrolite 2 w. Metrolite 2
84528	Spartan Medium w. It.
84530	Spartan Heavy w. It.
84532	Spartan Black w. It.
84534	Caledonia w. It. & S. C.
84538	Fairfield w. It. & S. C.
84540	Textype Bd. w. It.
84542	Greek Metromed., T. L.
84544	Baskerville w. Bold
84546	Spartan Lt. w. Med.
84548	Electra w. Bd.
84550	Opticon w. Memphis Bd.
84552	Spartan Duplicate
84554	Memphis Med. Cd. w. Memphis Ex. Bd. Cd.
84556	Baskerville Bold w. It.
84558	Spartan Medium w. Heavy
84560	Caledonia w. Bold
84562	Memphis Ex. Bd. Cd. w. Gothic No. 13
84564	Memphis Ex. Bd. w. Gothic No. 18
84568	Corona w. B. F. No. 2
84570	Gothic Cond. No. 2 Dup.
84574	Corona w. It. & S. C.
84588	Gothic 41 Figs., D. C.

### 8½-Point

8454	Memphis Lt. w. Bold
8456	Corona w. It. & S. C.
8458	Corona w. B. F. No. 2

### 9-Point

942	O. S. No. 1 w. It. & S. C.
944	De Vinne w. It. & S. C.
946	De Vinne w. Ant. No. 3
9410	German No. 3 w. B. F. 2
9412	No. 18 w. It. & S. C.
9418	Caslon w. It. & S. C.
9432	No. 28 w. It. & S. C.
9434	No. 28 w. Ant. Bk. No. 1
9438	Greek No. 2
9438	Creek B. F. No. 1

### 9-Point—(Cont.)

9442	De Vinne w. 10-pt. Gothic No. 4, 11-pt. align.
9444	No. 1 w. It. & S. C.
9446	Cheltenham w. It. & S. C.
9448	O. S. No. 1 w. Ant. No. 1
9450	Greek Elzevir
9458	No. 16 w. Century Bd.
9458	Century Exp. w. It. & S. C.
9460	No. 21 w. It. & S. C.
9462	O. S. No. 7 w. It. & S. C.
9472	Century Exp. w. Cent. Bd.
9474	B. F. No. 1 Figs., D. C.
9482	Caslon O. F. w. It. & S. C.
9494	Benedict. Bk. w. It. & S. C.
9498	Spartan Heavy w. It.
9498	Spartan Medium w. It.
94102	Garamond w. It. & S. C.
94104	Bodoni Bk. w. It. & S. C.
94106	Spartan Duplicate
94110	Hebrew No. 2 w. It. No. 3
94112	Ionic No. 5 w. B. F. No. 2
94114	Electra w. Bd.
94116	Ionic No. 5 w. It. & S. C.
94118	Textype w. B. F. No. 2
94120	Hebrew w. Hebrew Lt. No. 3
94122	Textype w. It. & S. C.
94128	Scotch No. 2 w. It. & S. C.
94128	Baskerville w. It. & S. C.
94130	Caslon No. 3 w. It. & S. C.
94132	Antique No. 1 w. It.
94134	Excelsior w. It. & S. C.
94136	Excelsior w. B. F. No. 2
94138	Borders
94140	Memphis Light w. Bold
94142	Granjon w. It. & S. C.
94144	Caslon 137 w. It. & S. C.
94148	Memphis Med. w. It. & S. C.
94148	Memphis Bold w. It.
94150	Bookman w. It. & S. C.
94152	Garam'd 3 w. It. & S. C.
94154	Garam'd Bd. 3 w. It. & S. C.
94158	Paragon w. It. & S. C.
94158	Paragon w. Paragon Bd.
94160	Electra w. It. & S. C.
94162	Opticon w. B. F. No. 2
94184	Tele. Ionic 5 w. B. F. 2
94166	Excelsior w. Memphis Bd.
94168	Caledonia w. It. & S. C.
94174	Fairfield w. It. & S. C.
94176	Granjon w. Cranjon Bd.
94178	Textype Bd. w. It.
94180	Janson w. It. & S. C.
94182	Creek Metromed., T. L.
94184	Creek Metrolite, T. L.
94186	Baskerville w. Bd.
94188	Tele. Excelsior w. It.
94190	Tele. Excelsior w. B. F. 2
94192	Bodoni Bd. w. It.
94194	Baskerville Bd. w. It.
94198	Caledonia w. Bd.
94198	Spartan Black w. It.
94200	Spartan Lt. w. Medium

### 10-Point

1044	Orig. O. S. w. It. & S. C.
1046	O. S. No. 1 w. It. & S. C.
1048	Caslon w. It. & S. C.

# Face Identification Numbers—(Cont.)

## TWO-LETTER

10-Point—(Cont.)  
 10Δ10 No. 1 w. It. & S. C.  
 10Δ12 De Vinne w. Ant. No. 3  
 10Δ16 Century Exp. w. It. & S. C.  
 10Δ18 Cheltenham w. It. & S. C.  
 10Δ24 De Vinne w. It. & S. C.  
 10Δ26 Scotch w. It. & S. C.  
 10Δ38 German 3 w. B. F. No. 2  
 10Δ44 O. S. No. 1 w. Ant. No. 1  
 10Δ48 Russian O. S. w. Ant. 1  
 10Δ48 No. 16 w. It. & S. C.  
 10Δ54 No. 28 w. It. & S. C.  
 10Δ58 O. S. No. 1 Figs. w.  
 Clarendon No. 1 Figs.  
 10Δ84 De Vinne with Ant. No. 3  
 (Vert. Slugs), Figs.  
 10Δ88 Russian Cond. No. 2  
 10Δ70 Ant. No. 3 w. 12-pt. Goth.  
 Cond. No. 1  
 10Δ78 Greek No. 2  
 10Δ78 Greek B. F. No. 1  
 10Δ80 Russian 11 w. Ant. Bk. 2  
 10Δ82 Cheltenham Bold w. It.  
 10Δ84 Elzevir w. Chelt. Bd.  
 10Δ88 Classic w. Century Bd.  
 10Δ88 Russian No. 11 w. It.  
 10Δ90 Russian Cond. No. 2 w.  
 Ant. Bk. No. 2  
 10Δ92 Ant. No. 1 w. It.  
 10Δ94 B. F. No. 3, D. C., Figs.  
 10Δ98 O. S. No. 3 w. It. & S. C.  
 10Δ102 Goth. 3 w. 11-pt. Goth.  
 Cond. No. 1  
 10Δ106 Greek It. No. 1  
 10Δ108 Russian No. 3 It. and Bd.  
 10Δ110 Small Russian 3 It. & Bd.  
 10Δ112 Cent. Exp. with Cent. Bd.  
 10Δ114 No. 2 w. Cond. Title No. 3  
 10Δ116 No. 16 w. Cent. Bd.  
 10Δ120 O. S. No. 1 w. Title No. 1  
 10Δ124 No. 21 w. Ant. 6, Figs.  
 10Δ126 Greek No. 3  
 10Δ134 Chelt. Wide w. Chelt. Bd.  
 10Δ142 Chelt. Cd. w. Chelt. Bd.  
 Cond.  
 10Δ148 Armenian No. 1 w. No. 2  
 10Δ148 Cheltenham Bd. Cd. w. It.  
 10Δ152 No. 28 w. Ant. Black No. 1  
 10Δ156 Gothic 16 w. Title No. 4  
 10Δ158 O. S. No. 1 w. Chelt. Bd.  
 10Δ162 No. 2 w. Gothic No. 3  
 10Δ160 Caslon No. 3 w. It. & S. C.  
 10Δ184 O. S. No. 7 w. It. & S. C.  
 10Δ166 No. 21 w. It. & S. C.  
 10Δ196 Bodoni Bd. w. Italic  
 10Δ208 Century Exp. w. Chelt. Bd.  
 10Δ216 Bodoni w. It. & S. C.  
 10Δ224 Gothic No. 16 Figs., D. C.  
 10Δ226 Cent. Exp. w. Cent. Bd. It.  
 10Δ224 Gothic No. 16 Figs., D. C.  
 10Δ250 Bodoni Bk. w. It. & S. C.  
 10Δ260 Caslon No. 2 w. It. & S. C.  
 10Δ268 Cent. Bd. w. Cent. Bd. It.  
 10Δ270 Underwood Typewriter w.  
 Underscore  
 10Δ272 Remington Typewriter w.  
 Underscore  
 10Δ278 De Vinne Outline w. B. F.  
 No. 6  
 10Δ280 Caslon O. F. w. It. & S. C.  
 10Δ282 Ant. Black 1 Figs., D. C.

10-Point—(Cont.)  
 10Δ266 Goth. 13 w. Chelt. Bd. Cd.  
 10Δ286 Gothic 18 w. Chelt. Bd.  
 10Δ292 Benedict, Bk. w. It. & S. C.  
 10Δ302 Cloister Bd. w. It.  
 10Δ304 Garamond w. It. & S. C.  
 10Δ306 Cloister Wide w. Cloister  
 Bold  
 10Δ310 Borders  
 10Δ312 Cloister w. It. & S. C.  
 10Δ314 Garamond Bd. w. It.  
 10Δ318 Granjon w. It. & S. C.  
 10Δ320 Pabst Ex. Bd. w. It.  
 10Δ322 Texttype w. B. F. No. 2  
 10Δ324 Texttype w. It. & S. C.  
 10Δ326 Poster Bodoni w. It.  
 10Δ360 Vulcan Bd. w. It.  
 10Δ364 Metroblack w. Metroline  
 10Δ370 Metrodome w. Metrothin  
 10Δ374 Scotch No. 2 w. It. & S. C.  
 10Δ376 Granjon w. Granjon Bd.  
 10Δ378 Baskerville w. It. & S. C.  
 10Δ380 Excelsior w. B. F. No. 2  
 10Δ382 Metrobl'k 2 w. Metroline 2  
 10Δ384 Metrodome 2 w. Metrothin  
 No. 2  
 10Δ386 Excelsior w. It. & S. C.  
 10Δ388 Janson w. It. & S. C.  
 10Δ390 Ionic No. 5 w. It. & S. C.  
 10Δ392 Ionic No. 5 w. B. F. No. 2  
 10Δ394 Underwood Typewriter  
 No. 4 w. Underscore  
 10Δ396 Memphis Light w. Bold  
 10Δ406 Estienne w. It. & S. C.  
 10Δ410 Pabst Ex. Bd. Cond. w. It.  
 10Δ412 Memphis Bold w. It.  
 10Δ414 Memphis It. w. It. & S. C.  
 10Δ418 Erbar It. Cd. w. Erbar  
 Bold Cond.  
 10Δ418 Memphis Med. w. It. &  
 S. C.  
 10Δ420 Bengali Light with Bd.  
 10Δ422 Electra w. It. & S. C.  
 10Δ424 Caslon 137 w. It. & S. C.  
 10Δ426 Bookman w. It. & S. C.  
 10Δ436 Garam'd Bd. 3 w. It. &  
 S. C.  
 10Δ440 Garam'd 3 w. It. & S. C.  
 10Δ444 Memphis Ex. Bd. w. It.  
 10Δ448 Paragon w. It. & S. C.  
 10Δ450 Paragon w. Bd.  
 10Δ452 Tele. Excelsior w. B. F. 2  
 10Δ454 Memphis Med. w.  
 Memphis Bd.  
 10Δ456 Goth. 44 w. Goth. 42,  
 Figs.  
 10Δ458 Goth. 45 w. Goth. 43,  
 Figs.  
 10Δ462 Metrodome No. 2 w. It.  
 10Δ464 Bengali No. 2 w. B. F. 2  
 10Δ466 Excelsior w. Memphis Bd.  
 10Δ466 Opticon w. It. & S. C.  
 10Δ470 Opticon w. B. F. No. 2  
 10Δ472 Phonetic Characters  
 10Δ476 Metroblack No. 2 w. It.  
 10Δ476 Metroline No. 2 w. It.  
 10Δ480 Tamil Light and Bold  
 10Δ482 Metroline 2 w. Metrobl'k 2  
 10Δ486 Memphis Med. Cond. w.  
 Memphis Bd. Cond.  
 10Δ488 Spartan Medium w. It.

# Face Identification Numbers—(Cont.)

## TWO-LETTER

### 10-Point—(Cont.)

10Δ490	Spartan Heavy w. It.
10Δ492	Spartan Black w. It.
10Δ494	Memphis Med. Cond. w. Memphis Ex. Bd. Cd.
10Δ496	Caledonia w. It. & S. C.
10Δ498	Baskerville w. Bd.
10Δ500	Fairfield w. It. & S. C.
10Δ502	Spartan Lt. w. Medium
10Δ504	Electra w. Bd.
10Δ506	Spartan Duplicate
10Δ508	Textype Bd. w. It.
10Δ510	Baskerville Bd. w. It.
10Δ512	Spartan Med. w. Hvy.
10Δ514	Gothic 41, D. C., Figs.
10Δ516	Gothic 15, D. C., Figs.
10Δ518	Caledonia w. Bd.
10Δ520	Memphis Ex. Bd. Cond. w. Gothic No. 13
10Δ522	Memphis Ex. Bd. w. Gothic No. 16
10Δ532	Gothic Cd. 2 Duplicate
10Δ534	Spartan Black Cd. w. It.
10Δ538	Opticon w. Memphis Bd.
10Δ540	Corona w. B. F. No. 2

### 10½-Point

10½Δ2	O. S. No. 7 w. It. & S. C.
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### 11-Point

11Δ2	No. 1 w. It. & S. C.
11Δ4	O. S. No. 1 w. It. & S. C.
11Δ10	Scotch w. It. & S. C.
11Δ12	Caslon w. It. & S. C.
11Δ14	De Vinne w. It. & S. C.
11Δ18	De Vinne w. Ant. No. 3
11Δ22	O. S. No. 1 w. Ant. No. 1
11Δ24	German No. 3 w. B. F. 2
11Δ40	B. F. No. 3 Figs., D. C.
11Δ44	Russian No. 1 w. It.
11Δ48	Cheltenham w. It. & S. C.
11Δ54	Greek Elzevir
11Δ56	No. 21 w. It. & S. C.
11Δ58	O. S. No. 7 w. It. & S. C.
11Δ66	Russian Cond. No. 2 w. Ant. Black No. 3
11Δ70	Century Exp. w. Cent. Bd.
11Δ76	Caslon O. F. w. It. & S. C.
11Δ88	Benedict. Bk. w. It. & S. C.
11Δ98	Garamond w. It. & S. C.
11Δ98	Cloister w. It. & S. C.
11Δ100	Gothic No. 16 Figs., D. C.
11Δ102	Granjon w. It. & S. C.
11Δ104	Century Exp. w. It. & S. C.
11Δ108	Cheltenham Bd. w. It.
11Δ108	Hebrew 2 w. Hebrew B. F.
11Δ110	Scotch No. 2 w. It. & S. C.
11Δ112	Caslon No. 2 w. It. & S. C.
11Δ114	Granjon w. Cranjon Bd.
11Δ116	Baskerville w. It. & S. C.
11Δ118	Janston w. It. & S. C.
11Δ120	Excelsior w. It. & S. C.
11Δ122	Caslon 187 w. It. & S. C.
11Δ124	Electra w. It. & S. C.
11Δ126	Carum'd 3 w. It. & S. C.
11Δ128	Excelsior w. B. F. No. 2
11Δ130	Carum'd Bd. No. 3 w. It. & S. C.
11Δ132	Bookman w. It. & S. C.

### 11-Point—(Cont.)

11Δ134	Opticon w. It. & S. C.
11Δ136	Bengali No. 2 w. B. F. 2
11Δ138	Opticon w. B. F. No. 2
11Δ140	Caledonia w. It. & S. C.
11Δ148	Fairfield w. It. & S. C.
11Δ150	Excelsior w. Memphis Bd.
11Δ152	Baskerville w. Bd.
11Δ154	Tele. Excel. w. It. & S. C.
11Δ156	Tele. Excelsior w. B. F. 2
11Δ158	Electra w. Bold
11Δ160	Textype w. It. & S. C.
11Δ162	Textype Bold w. It.
11Δ164	Baskerville Bold w. It.
11Δ166	Caledonia w. Bold

### 11½-Point

11½Δ2	Scotch w. It. & S. C.
11½Δ4	Caslon O. F. w. It. & S. C.

### 12-Point

12Δ2	No. 1 w. It. & S. C.
12Δ4	O. S. No. 1 w. It. & S. C.
12Δ6	Orig. O. S. w. It. & S. C.
12Δ10	Scotch w. It. & S. C.
12Δ12	Caslon w. It. & S. C.
12Δ14	De Vinne w. It. & S. C.
12Δ16	De Vinne w. Ant. No. 3
12Δ18	Chelt. w. It. & S. C.
12Δ22	Century Exp. w. It. & S. C.
12Δ26	O. S. No. 1 w. Ant. No. 1
12Δ30	Gothic 5 w. Gothic Cd. 1
12Δ38	De Vinne w. Ant. No. 3 (Vertical Slug)
12Δ40	No. 16 w. It. & S. C.
12Δ46	Cheltenham Bd. w. It.
12Δ48	Russian No. 11 w. It.
12Δ50	Greek No. 2
12Δ52	Russian 11 w. Ant. Bk. 2
12Δ54	Russian Cond. No. 2 w. It.
12Δ58	Elzevir w. Chelt. Bd.
12Δ58	Glasgow w. Century Bd.
12Δ62	B. F. No. 3, Figs., D. C.
12Δ64	Century Exp. w. Cent. Bd.
12Δ68	Russian Cond. No. 2 w. Ant. Black No. 2
12Δ68	Antique No. 1 w. It.
12Δ70	No. 18 w. Century Bold
12Δ74	Caslon No. 2 w. It. & S. C.
12Δ76	Greek No. 3
12Δ78	O. S. No. 1 w. Ant. It. 1
12Δ88	Chelt. Wide w. Chelt. Bd.
12Δ94	Chelt. Cd. w. Chelt. Bd. Cond.
12Δ96	O. S. No. 3 w. It. & S. C.
12Δ98	Chelt. Bd. Cd. w. It.
12Δ102	Coth. 13 w. De Vinne Cd.
12Δ104	Gothic No. 18 w. Title 4
12Δ108	De Vinne Outline w. It.
12Δ120	Caslon No. 3 w. It. & S. C.
12Δ122	De Vinne Outline w. B. F. No. 6
12Δ128	O. S. No. 1 w. Chelt. Bd.
12Δ132	Bodoni Bold w. It.
12Δ140	Century Exp. w. Chelt. Bd.
12Δ150	Russian No. 3 Lt. and Bd.
12Δ158	Gothic No. 16, D. C., Figs.
12Δ160	Bodoni w. It. & S. C.
12Δ164	German 3 w. Bold Face 2
12Δ178	Borders
12Δ180	B. F. No. 7 Figs., D. C.

## Useful Matrix Information

# Face Identification Numbers—(Cont.)

## TWO-LETTER

12-Point—(Cont.)	12-Point—(Cont.)
12A184 Armenian No. 1 w. No. 2	12A324 Texttype w. It. & S. C.
12A188 Bodoni Bk. w. It. & S. C.	12A364 Metrobk. 2 w. Metrolite 2
12A190 O. S. No. 7 w. It. & S. C.	12A368 Metrocond. No. 2 w.
12A198 Cent. Bd. w. Cent. Bd. It.	12A368 Metrothin No. 2
12A200 Underwood Typewriter w. Underscore	12A368 Ionic No. 5 w. B. F. No. 2
12A202 Remington Typewriter w. Underscore	12A370 Remington Typewriter 4 w. Underscore
12A208 Gothic 29 w. Gothic 30, Caps & Figs.	12A374 Scotch No. 2 w. It. & S. C.
12A210 Gothic 29C w. Gothic 30C, Caps & Figs.	12A378 Memphis Light w. Bd.
12A212 Gothic 29B w. Gothic 30B, Caps & Figs.	12A378 Excelsior w. B. F. No. 2
12A214 Gothic 29A w. Gothic 30A, Caps & Figs.	12A380 Estienne w. It. & S. C.
12A216 B. F. 9 w. Gothic 31, Caps & Figs.	12A382 Pabst Ex. Bd. Cond. w. It.
12A218 B. F. 8C w. Gothic 31C, Caps & Figs.	12A384 Electra w. It. & S. C.
12A220 B. F. 9B w. Gothic 31B, Caps & Figs.	12A386 B. F. No. 9D w. Gothic 31D, Caps & Figs.
12A222 B. F. 9A w. Gothic 31A, Caps & Figs.	12A388 Memphis Bd. w. It.
12A228 Nestorian	12A390 Memphis Lt. w. It. & S. C.
12A234 Jacobite	12A392 Erbar Lt. Cond. w. Erbar Bold Cond.
12A236 Caslon O. F. w. It. & S. C.	12A394 Teletype Bodoni Bd. w. It.
12A238 Gothic No. 15 Figs., D. C.	12A396 Gothic 31D w. Gothic 32D, Caps & Figs.
12A242 Gothic 13 w. Chelt. Bd. Cond.	12A398 Memphis Med. w. It. & S. C.
12A244 Gothic 18 w. Chelt. Bd.	12A416 Lin. Metrocond. w. Lin. Metrothin, Caps & Figs.
12A250 Gothic 32 w. Gothic 33, Caps & Figs.	12A418 Lin. Metrocond. A w. Lin. Metrothin A, Caps & Figs.
12A252 Gothic 32A w. Gothic 33A, Caps and Figs.	12A420 Lin. Metrocond. B w. Lin. Metrothin B, Caps & Figs.
12A254 Gothic 32B w. Gothic 33B, Caps & Figs.	12A422 Lin. Metrocond. C w. Lin. Metrothin C, Caps & Figs.
12A256 Gothic 32C w. Gothic 33C, Caps & Figs.	12A424 Lin. Memphis Lt. A w. Lin. Memphis Bd. A, Caps & Figs.
12A258 Benedict. Bk. w. It. & S. C.	12A426 Lin. Memphis Lt. B w. Lin. Memphis Bd. B, Caps & Figs.
12A262 No. 21 w. It. & S. C.	12A428 Lin. Memphis Lt. C w. Lin. Memphis Bd. C, Caps & Figs.
12A264 Underwood Typewriter 2 w. Underscore	12A432 Bengali Light w. Bd.
12A268 Gothic 31 w. Gothic 32, Caps & Figs.	12A434 Lin. Memphis Lt. w. Lin. Memphis Bd., Caps & Figs.
12A268 Gothic 31A, w. Gothic 32A, Caps & Figs.	12A436 Gothic 13, D. C., Figs.
12A270 Gothic 31B w. Gothic 32B, Caps & Figs.	12A440 Caslon 137 w. It. & S. C.
12A272 Gothic 31C w. Gothic 32C, Caps & Figs.	12A444 Bookman w. It. & S. C.
12A278 Cloister Bd. w. It.	12A446 Tamil Light w. Bd.
12A278 Garamond w. It. & S. C.	12A452 Garam'd Bd. No. 3 w. It. & S. C.
12A280 Cloister Wide w. Cloister Bold	12A454 Garam'd 3 w. It. & S. C.
12A284 Cloister with It. & S. C.	12A458 Memphis Ex. Bd. w. It.
12A286 Garamond Bold w. It.	12A464 Metrocond. No. 2 w. It.
12A288 Granjon w. It. & S. C.	12A468 Memphis Med. w. Bd.
12A292 Pabst Ex. Bd. w. It.	12A468 Goth. 44 w. Goth. 42, Figs.
12A294 Hebrew w. Heb. Lt. Face	12A470 Goth. 45 w. Gothic 43, Figs.
12A296 Hebrew w. Heb. Lt. No. 3	12A472 Bengali 2 w. B. F. No. 2
12A298 Porter Bodoni w. It.	12A474 Orpuzan w. B. F. No. 2
12A300 Vulcan Bd. w. It.	12A476 Metroblack No. 2 w. It.
12A302 Metrobk. w. Metrolite	12A478 Metrolite No. 2 w. It.
12A306 Metrocond. w. Metrothin	12A480 Memphis Med. Cond. w. Memphis Bd. Cond.
12A310 Texttype w. B. F. No. 2	12A482 Electra w. Electra Bd.
12A314 Baskerville w. It. & S. C.	
12A318 Granjon w. Granjon, Bd.	
12A318 Janson w. It. & S. C.	
12A320 Ionic No. 5 w. It. & S. C.	



# Face Identification Numbers—(Cont.)

## TWO-LETTER

### 12-Point—(Cont.)

- 12Δ484 Baskerville Bd. w. It.
- 12Δ486 Gothic B1C w. Gothic 33C, Caps & Figs.
- 12Δ488 Excelsior w. Memphis Bd.
- 12Δ482 Metrobk 2 w. Metrobk 2
- 12Δ494 B. F. No. 2, D. C., Food Store Logos.
- 12Δ496 Spartan Medium w. It.
- 12Δ488 Spartan Heavy w. It.
- 12Δ500 Spartan Black w. It.
- 12Δ502 Memphis Med. Cond. w. Memphis Ex. Bd. Cd.
- 12Δ504 Caledonia w. It. & S. C.
- 12Δ508 Fairfield w. It. & S. C.
- 12Δ512 Baskerville w. Bd.
- 12Δ514 Spartan Light w. Med.
- 12Δ518 Spartan Med. w. Hwy.
- 12Δ520 Gothic 41, Figs., D. C.
- 12Δ528 Caledonia w. Bd.
- 12Δ530 Memphis Extra Bd. Cond. w. Gothic No. 13
- 12Δ532 Memphis Extra Bd. w. Gothic No. 16
- 12Δ534 Excelsior w. It. & S. C.
- 12Δ538 Bank Goth. Lt. w. Med.
- 12Δ540 Bank Goth. A Lt. w. Med.
- 12Δ542 Bank Goth. B Lt. w. Med.
- 12Δ544 Bank Goth. C Lt. w. Med.
- 12Δ546 Bank Goth. D Lt. w. Med.
- 12Δ548 Spartan Bk. Cd. w. It.
- 12Δ550 Opticon w. Memphis Bd.

### 14-Point

- 14Δ2 Orig. O. S. w. It. & S. C.
- 14Δ4 Chelt. w. It. & S. C.
- 14Δ14 No. 16 w. It. & S. C.
- 14Δ16 B. F. No. 9 Figs., D. C.
- 14Δ20 Century Exp. w. Cent. Bd.
- 14Δ22 De Vinne w. Ant. No. 3
- 14Δ24 O. S. No. 1 w. Ant. No. 1
- 14Δ26 Classic w. Century Bd.
- 14Δ28 Elzevir w. Chelt. Bd.
- 14Δ30 Cheltenham Bd. w. It.
- 14Δ34 Caslon w. It. & S. C.
- 14Δ36 No. 16 w. Century Bd.
- 14Δ40 Chelt. Wide w. Chelt. Bd.
- 14Δ42 Chelt. Cd. w. Chelt. Bd. Cond.
- 14Δ46 Chelt. Bd. Cond. w. It.
- 14Δ48 Goth. 13 w. De Vinne Cd.
- 14Δ50 Gothic No. 16 w. Title 4
- 14Δ52 De Vinne Outline w. It.
- 14Δ54 Caslon No. 3 w. It. & S. C.
- 14Δ56 Antique No. 1 w. It.
- 14Δ58 Century Exp. w. It. & S. C.
- 14Δ68 Bodoni Bd. w. It.
- 14Δ76 O. S. No. 1 w. It. & S. C.
- 14Δ80 De Vinne Outline w. B. F. No. 6
- 14Δ84 De Vinne w. It. & S. C.
- 14Δ86 Cent. Exp. w. Chelt. Bd.
- 14Δ92 Gothic No. 16 Figs., D. C.
- 14Δ94 Bodoni w. It. & S. C.
- 14Δ102 Cent. Exp. w. Cent. Bd. It.
- 14Δ114 Bodoni Bk. w. It. & S. C.
- 14Δ118 German No. 4 w. B. F. 4
- 14Δ120 O. S. No. 7 w. It. & S. C.
- 14Δ124 Cent. Bd. w. Cent. Bd. It.
- 14Δ130 Borders
- 14Δ132 Caslon O. F. w. It. & S. C.

### 14-Point—(Cont.)

- 14Δ136 Goth. 13 w. Chelt. Bd. Cd.
- 14Δ138 Gothic 16 w. Chelt. Bd.
- 14Δ142 Scotch w. It. & S. C.
- 14Δ146 Bened. Bk. w. It. & S. C.
- 14Δ154 Cloister Bold w. It.
- 14Δ156 Garamond w. It. & S. C.
- 14Δ158 Cloister Wide w. Cloister Bold
- 14Δ162 Cloister w. It. & S. C.
- 14Δ164 Garamond Bold w. It.
- 14Δ168 Hebrew No. 3 w. It.
- 14Δ170 Granjon w. It. & S. C.
- 14Δ172 Pabst Ex. Bd. w. It.
- 14Δ174 Poster Bodoni w. It.
- 14Δ176 Vulcan Bold w. It.
- 14Δ178 Janson w. It. & S. C.
- 14Δ180 Metrobk. w. Metrobk.
- 14Δ186 Metromed. w. Metrobk.
- 14Δ188 Baskerville w. It. & S. C.
- 14Δ192 Granjon Bd.
- 14Δ194 Textype w. B. F. No. 2
- 14Δ196 Metrobk. 2 w. Metrobk. 2
- 14Δ198 Metromed. 2 w. Metrobk. No. 2
- 14Δ200 Memphis Light w. Bold
- 14Δ202 Estienne w. It. & S. C.
- 14Δ204 Pabst Extra Bd. Cd. w. It.
- 14Δ206 Memphis Bd. w. It.
- 14Δ208 Memphis Lt. w. It. & S. C.
- 14Δ210 Erbar Lt. Cd. w. Erbar Bold Cond.
- 14Δ212 Memphis Med. w. It. & S. C.
- 14Δ214 Excelsior w. B. F. No. 2
- 14Δ216 Electra w. It. & S. C.
- 14Δ218 Excelsior w. It. & S. C.
- 14Δ220 Textype w. It. & S. C.
- 14Δ222 B. F. No. 2, D. C., Food Store Logos.
- 14Δ224 Devanagari Lt. w. Bd.
- 14Δ228 Garam'd Bd. No. 3 w. It. & S. C.
- 14Δ232 Bookman w. It. & S. C.
- 14Δ234 Memphis Ex. Bd. w. It.
- 14Δ236 Garam'd 3 w. It. & S. C.
- 14Δ240 Memphis Med. w. Bd.
- 14Δ242 Goth. 44 w. Goth. 42, Figs.
- 14Δ244 Goth. 45 w. Goth. 43, Figs.
- 14Δ246 Metromed. No. 2 w. It.
- 14Δ248 Bengali No. 2 w. B. F. 2
- 14Δ250 Metroblack No. 2 w. It.
- 14Δ252 Excelsior w. Memphis Bd.
- 14Δ256 Metrolite No. 2 w. It.
- 14Δ258 Metrolite 2 w. Metrobk. 2
- 14Δ260 Memphis Med. Cd. w. Memphis Bd. Cd.
- 14Δ262 Spartan Medium w. It.
- 14Δ264 Spartan Heavy w. It.
- 14Δ266 Spartan Black w. It.
- 14Δ268 Memphis Med. Cd. w. Memphis Ex. Bd. Cd.
- 14Δ270 Baskerville w. Bold
- 14Δ272 Caledonia w. It. & S. C.
- 14Δ274 Spartan Lt. w. Medium
- 14Δ276 Electra w. Electra Bd.
- 14Δ278 Gothic 13, Figs., D. C.
- 14Δ280 Baskerville Bd. w. It.
- 14Δ282 Fairfield w. It. & S. C.
- 14Δ284 Spartan Med. w. Hwy.
- 14Δ286 Caledonia w. Bold

# Face Identification Numbers—(Cont.)

## TWO-LETTER

### 14-Point—(Cont.)

142288	Memphis Ex. Bd. Cd. w. Gothic No. 13
142290	Memphis Ex. Bd. w. Gothic No. 16

### 14-Point—(Cont.)

142292	Spartan Black Cond. w. It.
142294	Spartan Black Cond. w. Medium Cond.
142296	Gothic No. 41 Figs., D. C.

## DISPLAY

### 16-Point

1825	Hebrew
1827	Hebrew Cond.
1829	Gothic Cond. 1, Ad. Figs.
18215	Baskerville
18217	Estienne
18221	Bodoni
18225	Caledonia Bold

### 18-Point

1821	Gothic Cond. No. 2
1823	Mild Gothic, Adv. Figs.
1824	Erbar Lt. Cd. w. Erbar Bold Cond.
1825	Gothic No. 16, Adv. Figs.
1826	Metromed. 2 w. Metrothin No. 2
1828	Metrobik. 2 w. Metrobite 2
1829	Century Bd., Adv. Figs.
18210	Bodoni Bold w. It.
18211	Century Bd. It., Adv. Figs.
18212	Cloister Bold w. It.
18213	Cheltenham Bd., Adv. Figs.
18214	Cloister w. It.
18215	Chelt. Bd. It., Adv. Figs.
18216	Memphis Light w. Bold
18217	Chelt. Bd. Cd., Adv. Figs.
18219	Chelt. Bd. Cd. It., Ad. Figs.

18220	Memphis Bold w. It.
18222	Garamond Bold w. It.
18224	Chelt. Bold Cond. w. It.
18226	Poster Bodoni w. It.
18228	Memphis Medium w. It.
18229	Gothic Cond. 1, Ad. Figs.
18230	Textype w. It.
18233	Gothic Cond. No. 1
18234	Gothic 16 w. Chelt. Bd.
18235	Antique Cond.
18236	Gothic 13 w. Chelt. Bd. Cond.

18237	Latin Cond.
18238	Bodoni w. It.
18240	Borders, D. C.
18241	Chelt. Bold Extra Cond.
18242	Pubst Extra Bold w. It.
18243	Gothic No. 14
18244	Century Expanded w. It.
18246	Metroblack No. 2 w. It.
18247	De Vinne Cond., Adv. Figs.
18248	Memphis Bold w. Light
18250	Metrobite No. 2 w. It.
18252	Memphis Ex. Bd. w. It.
18254	Metrocardium No. 2 w. It.
18256	Erbar Bd. Cd. w. Erbar Light Cond.

18257	Century Bold Cond.
18258	Garamond Bd. 3 w. It.
18259	Cheltenham Bold Cond.
18260	Cent. Bold w. Cent. Exp.
18262	Garamond No. 3 w. It.
18264	Memphis Bold w. Medium

### 18-Point—(Cont.)

18255	Gothic No. 13
18266	Caslon No. 3 w. It.
18268	Memphis Bd. Cd. w. Med. Cond.
18269	Borders
18270	Memphis Ex. Bd. Cd. w. Medium Cond.
18271	Gothic No. 15
18272	Pubst Ex. Bd. Cond. w. It.
18274	Metrobite 2 w. Metrobik. 2
18275	Condensed Outline
18276	Century Bold w. It.
18278	Pubst Ex. Bd. Cd. w. 14-pt. Gothic No. 16

18280	Bodoni Book w. It.
18282	B. F. No. 2, D. C., Fd. St. Logos.

18283	Hebrew
18286	Caslon w. It.
18287	Antique It. No. 1
18288	Erbar Med. Cd. w. Lt. Cd.
18289	Russian Ant. Black No. 12
18290	Cheltenham Bold w. It.
18291	Russian Ant. Blk. Cond. 2
18292	Cheltenham w. It.
18294	Bodoni Bd. Cd. w. 14-pt. Bodoni Bold

18297	Cheltenham Bold
18298	Gothic No. 13 w. 12-pt. Gothic No. 16

18299	Cheltenham Cond.
182101	Bodoni
182102	Spartan Heavy w. It.
182103	Antique No. 1
182104	Spartan Heavy w. Med.
182106	Spartan Medium w. It.
182108	Spartan Black w. It.
182109	B. F. No. 6, Adv. Figs.
182110	Memphis Ex. Bd. Cd. w. Gothic No. 13

182112	Memphis Ex. Bd. w. Goth. No. 16
182114	Spartan Black Cd. w. It.
182115	Caslon No. 4

182116	Spartan Blk. Cd. w. Med. Cond.
182120	Gothic 13 w. Memphis Ex. Bold Cond.

182122	Spartan Blk. Cd. w. 14-pt. Spartan Heavy
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182123	Century Expanded
182124	Gothic 18 w. Cent. Bd.
182125	Bodoni Book

182131	Cheltenham Bd. Cd. It.
182133	Century Bold
182135	Bodoni It.

182139	Gothic 29, Caps & Figs.
182141	Gothic 30, Caps & Figs.
182143	Gothic 31, Caps & Figs.

182145	Gothic 29A, Caps & Figs.
182147	Gothic 30A, Caps & Figs.

# Face Identification Numbers—(Cont.)

## DISPLAY

18-Point—(Cont.)		18-Point—(Cont.)	
18Δ149	Gothic 81A, Caps & Figs.	18Δ351	Erbar Bold Cond.
18Δ151	B. F. No. 9A, Caps & Figs.	18Δ353	Erbar Light Cond.
18Δ157	B. F. No. 9, Caps & Figs.	18Δ355	Estienne
18Δ163	Caslon Bold Cond.	18Δ357	Memphis Extra Bold
18Δ165	Bodoni Bold	18Δ359	Metromedium, Adv. Figs.
18Δ167	Estrangela	18Δ363	Cheik. It., Pd. St. Logos.
18Δ169	Caslon Old Face	18Δ365	B. F. No. 2, Pd. St. Logos.
18Δ171	Caslon Old Face It.	18Δ367	Gothic No. 39, Adv. Figs.
18Δ173	Century Bold It.	18Δ369	Gothic No. 40, Adv. Figs.
18Δ175	Cheltenham Bold It.	18Δ371	Gothic No. 41, Adv. Figs.
18Δ179	Gothic No. 16	18Δ373	Gothic No. 39, Figs.
18Δ183	De Vinne Outline	18Δ375	Gothic No. 40, Figs.
18Δ187	Bodoni Bold It.	18Δ377	Gothic No. 41, Figs.
18Δ193	Old Style No. 7	18Δ379	Memphis Medium
18Δ195	Scotch	18Δ381	Memphis Medium It.
18Δ197	Scotch It.	18Δ385	Caslon Italic
18Δ203	Bodoni Bold, Adv. Figs.	18Δ389	Cheltenham Med. Cond.
18Δ207	Arabic	18Δ391	Erbar Medium Cond.
18Δ213	Caslon No. 9	18Δ395	Gothic No. 44, Figs.
18Δ215	Caslon No. 3 It.	18Δ397	Memphis Bold, Adv. Figs.
18Δ225	Benedictine Book	18Δ399	Franklin Gothic
18Δ235	Metrolite	18Δ401	Garamond Bold No. 3
18Δ243	Cloister Bold	18Δ403	Memphis Ex. Bd., Adv. Figs.
18Δ245	Cloister Bold It.	18Δ405	Greek Erbar Lt. Cd., Caps & Figs.
18Δ247	Goth. Cd. Outh., Caps & Figs.	18Δ407	Memphis Bold Cond.
18Δ249	Nardus	18Δ409	Memphis Medium Cond.
18Δ251	Gothic No. 38	18Δ411	Memphis Ex. Bd. Cond.
18Δ253	Arabic Old Style	18Δ415	Garamond Bold No. 3 It.
18Δ255	Cheltenham, Adv. Figs.	18Δ417	Erbar Bd. Cd., Adv. Figs.
18Δ257	Metromedium	18Δ423	Metromedium No. 2 w. It.
18Δ259	Metrolite	18Δ425	Garamond No. 3
18Δ261	Arabic Bold Old Style	18Δ427	Poster Bodoni Compressed
18Δ263	Cloister	18Δ429	Hyerson Cond.
18Δ265	Garamond	18Δ431	Erbar Light Cd., Adv. Figs.
18Δ267	Cloister It.	18Δ433	Spartan Heavy
18Δ269	Garamond It.	18Δ435	Spartan Medium
18Δ271	Lino Script	18Δ437	Memphis Ex. Bd. Cd., Adv. Figs.
18Δ277	Garamond Bold	18Δ439	Memphis Medium Cond.
18Δ279	Garamond Bold It.	18Δ441	Memphis Lt. Cd., Adv. Figs.
18Δ283	Bodoni Bold Cond.	18Δ443	Ant. No. 1, Adv. Figs.
18Δ285	Lino Text	18Δ445	Caledonia Bold
18Δ287	Ionic Cond.	18Δ447	Memphis Bold It.
18Δ289	Gothic No. 13, Adv. Figs.	18Δ449	Memphis Blk. Cd., Figs.
18Δ295	Card It.	18Δ451	Spartan Black
18Δ297	Hebrew No. 9	18Δ457	Spartan Black It.
18Δ299	Hebrew No. 3 It.	18Δ459	Spartan Medium It.
18Δ301	Granjon	18Δ461	Caslon It., Normal Position
18Δ303	Granjon It.	18Δ463	Gothic Cd. 2, Adv. Figs.
18Δ305	Fabst Extra Bold		
18Δ307	Fabst Ex. Bd., Adv. Figs.		
18Δ309	Poster Bodoni		
18Δ311	Vulcan Bold		
18Δ313	Poster Bodoni It.		
18Δ315	Armenian Gothic Cond. 2		
18Δ317	Vulcan Bold It.		
18Δ319	Armenian Gothic No. 13		
18Δ321	Metrolite		
18Δ323	Cloister Bold, Adv. Figs.		
18Δ325	Metrolite, Adv. Figs.		
18Δ327	Fabst Extra Bold Cond.		
18Δ329	Metrolite No. 2		
18Δ331	Metrolite No. 2		
18Δ333	Metromedium No. 2		
18Δ335	Metrolite No. 2		
18Δ337	Poster Bodoni, Adv. Figs.		
18Δ343	Fabst Extra Bold Cond., Adv. Figs.		
18Δ347	Memphis Light		
18Δ349	Memphis Bold		

# Face Identification Numbers--(Cont.)

## DISPLAY

21-Point--(Cont.)		24-Point--(Cont.)	
21Δ21	Vulcan Bold	24Δ100	Gothic No. 13 w. 14 pt.
21Δ22	Granjon It.		Gothic No. 16
21Δ23	Narciss, Normal Position	24Δ101	Cheltenham
21Δ27	Caledonia Bold	24Δ102	Spartan Heavy w. It.
		24Δ104	Spartan Hvy. w. Med.
		24Δ105	Arabic Bold Cond.
		24Δ106	Spartan Medium w. It.
22Δ1	Arabic	24Δ107	Century Bold
		24Δ108	Spartan Black w. It.
		24Δ110	Memphis Ex. Bd. Cd. w.
			Gothic No. 13
		24Δ112	Memphis Ex. Bd. w.
			Gothic No. 16
		24Δ113	Bodoni Cond.
		24Δ114	Spartan Black Cd. w. It.
		24Δ115	Bodoni Book
		24Δ116	Spartan Black Cond. w.
			Medium Cond.
24Δ3	Century Bold It., Adv. Figs.	24Δ117	Cheltenham Bold It.
24Δ5	Cheltenham Bd., Adv. Figs.	24Δ118	Bodoni Bold Cond. w. It.
24Δ6	Metromedium No. 2 w.		18-pt. Bodoni Bold
	Metromedium No. 2	24Δ119	Carlton Bold Cond.
24Δ7	Chelt. Bd. It., Adv. Figs.	24Δ120	Gothic 13 w. Memphis
24Δ8	Metrolite 2 w. Metrolite 2		Extra Bold Cond.
24Δ10	Bodoni Bold w. It.	24Δ121	Bodoni Bold
24Δ12	Cluster Bold w. It.	24Δ122	Spartan Black Cond. w.
24Δ13	Century Bold, Adv. Figs.		16-pt. Spartan Heavy
24Δ19	Gothic Cond. 1, Adv. Figs.	24Δ123	Cheltenham Bold Cond.
24Δ20	Memphis Bold w. It.	24Δ124	Gothic 16 w. Cent. Bold
24Δ21	Gothic Cond. No. 2	24Δ125	Carlton Old Face It.
24Δ22	Garamond Bold w. It.	24Δ127	Carlton Old Face
24Δ23	Caption, Caps & Figs.	24Δ131	Century Bold It.
24Δ24	Chelt. Bold Cond. w. It.	24Δ133	Antique No. 1
24Δ25	Latin Cond., Caps & Figs.	24Δ137	Century Expanded
24Δ26	Poster Bodoni w. It.	24Δ139	Gothic No. 16
24Δ27	De Vinne Extra Cond.	24Δ141	De Vinne Outline
24Δ28	Memphis Medium w. It.	24Δ145	Arabic
24Δ29	Chelt. Bold Extra Cond.	24Δ147	Bodoni Bold It.
24Δ34	Gothic 16 w. Chelt. Bold	24Δ155	Arabic Bold
24Δ36	Goth. 13 w. Chelt. Bd. Cd.	24Δ161	Bodoni Bold, Adv. Figs.
24Δ37	Chelt. Bd. Cd., Adv. Figs.	24Δ167	Bodoni Book It.
24Δ38	Bodoni w. It.	24Δ169	Bodoni It.
24Δ39	Mid Gothic, Adv. Figs.	24Δ171	Scotch
24Δ40	Borders, D. C.	24Δ173	Cheltenham Bd. Cd. It.
24Δ45	Gothic No. 16, Adv. Figs.	24Δ175	Carlton No. 3
24Δ46	Metrolite No. 2 w. It.	24Δ177	Carlton No. 3 It.
24Δ48	Memphis Bold w. Light	24Δ187	Gothic No. 15, Adv. Figs.
24Δ49	Borders	24Δ191	Chelt. Bold Extra Cond.,
24Δ50	Metrolite No. 2 w. It.		Adv. Figs.
24Δ51	Gothic No. 13	24Δ195	Cheltenham, Adv. Figs.
24Δ53	Gothic No. 18	24Δ199	Clearface Bold
24Δ54	Metromedium No. 2 w. It.	24Δ201	Clearface Bold It.
24Δ55	Cheltenham Cond.	24Δ205	Metromedium
24Δ56	Erbar Bd. Cd. w. Erbar	24Δ207	Cluster Bold
	Light Cond.	24Δ209	Cluster Bold It.
24Δ57	Century Bold Cond.	24Δ211	Narciss
24Δ58	Garamond Bold 3 w. It.	24Δ215	Gothic No. 38
24Δ59	Goth. Cd. 3, Caps & Figs.	24Δ217	Arabic Old Style
24Δ64	Memphis Bold w. Medium	24Δ219	Mid Goth., Sup. Adv. Figs.
24Δ66	Carlton No. 3 w. It.	24Δ221	Arabic Bold Old Style
24Δ67	B. F. No. 6, Adv. Figs.	24Δ223	Cluster
24Δ68	Memphis Bd. Cd. w. Med.	24Δ225	Cluster It.
	Cond.	24Δ227	Garamond
24Δ69	Russian Ant. Bk. Cd. 2	24Δ229	Garamond It.
24Δ70	Memphis Ex. Bd. Cd. w.	24Δ235	Garamond Bold
	Medium Cond.	24Δ237	Garamond Bold It.
24Δ71	Russian Caption	24Δ241	Bodoni Bold Cond.
24Δ72	Palut Ex. Bd. Cd. w. It.	24Δ243	Ionian Cond.
24Δ73	Bodoni	24Δ249	Hebrew No. 9
24Δ75	Cheltenham Bold	24Δ251	Hebrew No. 3 It.
24Δ76	Century Bold w. It.		
24Δ78	Old Style No. 7		
24Δ79	Bodoni Bd. Cd. w. 18-pt.		
	Bodoni Bold It.		
24Δ88	Erbar Med. Cd. w. Lt. Cd.		
24Δ90	Cheltenham Bold w. It.		
24Δ92	Cheltenham w. It.		
24Δ95	Chelt. Bd. Ex. Cd. It.		
24Δ99	Condensed Outline		

# Face Identification Numbers—(Cont.)

## DISPLAY

24-Point—(Cont.)		24-Point—(Cont.)	
24Δ257	Poster Bodoni	24Δ405	Memphis Light Cond., Adv. Figs.
24Δ259	Pabst Extra Bold	24Δ407	Caledonia Bold
24Δ260	Metroblack	24Δ409	Memphis Blk. Cond., Figs.
24Δ269	Metrolite	24Δ415	Spartan Black It.
24Δ271	Choister Bold, Adv. Figs.	24Δ417	Linn Text
24Δ273	Bodoni Bd. It., Adv. Figs.	24Δ419	Gothic Cd. 2, Adv. Figs.
24Δ275	Metrothin		
24Δ277	Metroblack, Adv. Figs.	26-Point	
24Δ279	Pabst Extra Bold Cond.	26Δ1	Arabic
24Δ281	Metroblack No. 2	26Δ3	Borders
24Δ283	Metroline No. 2		
24Δ285	Metromedium No. 2	27-Point	
24Δ287	Metrothin No. 2	27Δ1	Bodoni Bold
24Δ289	Pabst Ex. Bd. Cd., Adv. Figs.	27Δ3	Caledonia Bold
24Δ291	Poster Bodoni, Adv. Figs.		
24Δ295	Erbar Bold Cond.	28-Point	
24Δ299	Erbar Light Cond.	28Δ1	Gothic 14, Caps & Figs.
24Δ301	Memphis Light	28Δ5	Goth. Cd. 3, Caps & Figs.
24Δ303	Memphis Bold	28Δ9	Hebrew Cond.
24Δ305	Metromedium, Adv. Figs.	28Δ11	Russian Antique No. 14
24Δ309	Gothic No. 39, Adv. Figs.	28Δ13	Borders
24Δ311	Gothic No. 40, Adv. Figs.	28Δ17	Hebrew
24Δ313	Gothic No. 41, Adv. Figs.	28Δ19	Erbar Bold Cond.
24Δ315	Goth. 39, Figs., Aux. Pos.	28Δ21	Erbar Light Cond.
24Δ317	Goth. 40, Figs., Aux. Pos.	28Δ23	Erbar Medium Cond.
24Δ319	Goth. 41, Figs., Aux. Pos.	28Δ25	Greek Erbar Light Cond., Caps & Figs.
24Δ321	Granjon	28Δ27	Greek Erbar Med. Cond., Caps & Figs.
24Δ323	Granjon It.		
24Δ325	Metrothin No. 4 It.	30-Point	
24Δ327	Metroline No. 4 It.	30Δ1	Goth. Cd. 3, Caps & Figs.
24Δ329	Memphis Light, Adv. Figs.	30Δ3	Gothic Cond. No. 2
24Δ331	Cheltenham Med. Cond.	30Δ7	Chelt. Bold Extra Cond.
24Δ333	Memphis Extra Bold	30Δ9	Latin Cond., Caps & Figs.
24Δ335	Caston It.	30Δ23	Bold Face 6, Adv. Figs.
24Δ339	Granjon Bold No. 3	30Δ25	Century Bold, Adv. Figs.
24Δ345	Memphis Bold, Adv. Figs.	30Δ27	Russian Ant. Blk. Cd. 2
24Δ349	Memphis Medium	30Δ29	Bodoni
24Δ351	Franklin Gothic	30Δ31	Cheltenham Bold
24Δ353	Erbar Medium Cond.	30Δ33	Gothic No. 16, Adv. Figs.
24Δ355	Memph. Ex. Bd., Adv. Figs.	30Δ37	Gothic No. 18, Adv. Figs.
24Δ357	Servian Caston No. 3	30Δ43	Chelt. Bd. Cd., Adv. Figs.
24Δ359	Greek Erbar Lt. Cd., Caps & Figs.	30Δ51	Mid Gothic, Adv. Figs.
24Δ361	Erbar Bd. Cond., Adv. Figs.	30Δ53	Cond. Outl., Caps & Figs.
24Δ363	Memphis Bold Cond.	30Δ55	Cheltenham
24Δ365	Memphis Medium Cond.	30Δ59	Gothic No. 13
24Δ367	Memphis Ex. Bd. Cond.	30Δ61	Borders
24Δ369	Memphis Med., Adv. Figs.	30Δ63	Gothic 16, Heb. ali., Figs.
24Δ371	Metromedium No. 2 It.	30Δ67	Caston Bold Cond.
24Δ375	Gothic No. 44, Figs.	30Δ69	Bodoni Bold
24Δ377	Erbar Bd. Cd., (V. S.), Figs.	30Δ71	Cheltenham Bold Cond.
24Δ379	Pabst Ex. Bd., Nor. Pos.	30Δ75	Century Bd. Ex. Cd., Caps & Figs.
24Δ381	Poster Bodoni Comp.	30Δ79	Poster Bodoni
24Δ383	Erbar Lt. Cd., Adv. Figs.	30Δ83	De Vinne Cond.
24Δ385	Memphis Medium It.	30Δ87	Bodoni Bold, Adv. Figs.
24Δ389	Memphis Extra Bold, Normal Pos.	30Δ89	Century Bold
24Δ391	Greek Erbar Med. Cd., Caps & Figs.	30Δ91	Century Bold It.
24Δ393	Greek Benedictine Bold, Caps & Figs.	30Δ93	Gothic No. 16
24Δ395	Ryerson Cond.	30Δ95	Cheltenham Bold It.
24Δ397	Spartan Heavy	30Δ97	Cheltenham It.
24Δ399	Spartan Medium	30Δ99	Gothic 13, Heb. ali., Figs.
24Δ401	Memphis Ex. Bd. Cond., Adv. Figs.	30Δ105	Bodoni It.
24Δ403	Memphis Medium Cond., Adv. Figs.	30Δ107	Scotch
		30Δ109	Bodoni Book
		30Δ111	Cheltenham Bd. Cd. It.
		30Δ113	Caston No. 3

# Face Identification Numbers—(Cont.)

## DISPLAY

### 30-Point—(Cont.)

30Δ115 Caslon No. 3 It.  
 30Δ122 Bodoni Bold It.  
 30Δ127 Lat. Ex. Cd., Caps & Figs.  
 30Δ129 Caslon Old Face  
 30Δ141 Hebrew Cond.  
 30Δ149 Cheltenham, Adv. Figs.  
 30Δ153 Bodoni Cond.  
 30Δ155 Cloister Bold  
 30Δ157 Cloister Bold It.  
 30Δ159 Narciss  
 30Δ161 Cloister  
 30Δ163 Cloister It.  
 30Δ165 Garamond  
 30Δ167 Garamond It.  
 30Δ171 Spartan Black Cond.  
 30Δ173 Garamond Bold  
 30Δ175 Garamond Bold It.  
 30Δ179 Chelt. Bold, Adv. Figs.  
 30Δ181 Goth. Cd. 4, Caps & Figs.  
 30Δ183 Bodoni Bold Cond.  
 30Δ185 Ionic Cond.  
 30Δ187 Cheltenham Cond.  
 30Δ193 Metroblack  
 30Δ195 Cloister Bold, Adv. Figs.  
 30Δ197 Metrolite  
 30Δ201 Pabst Extra Bold, Figs.  
 30Δ203 Metromedium  
 30Δ205 Metrothin  
 30Δ207 Pabst Extra Bold Cond.  
 30Δ209 Metroblack No. 2  
 30Δ211 Metrolite No. 2  
 30Δ213 Metromedium No. 2  
 30Δ215 Metrothin No. 2  
 30Δ217 Pabst Ex. Bd., Adv. Figs.,  
 Aux. Pos.  
 30Δ221 Pabst Extra Bold Cond.,  
 Adv. Figs.  
 30Δ223 Memphis Light  
 30Δ225 Memphis Bold  
 30Δ227 Metromedium, Adv. Figs.  
 30Δ231 Gothic No. 39, Adv. Figs.  
 30Δ233 Gothic No. 40, Adv. Figs.  
 30Δ235 Gothic No. 41, Adv. Figs.  
 30Δ237 Poster Bodoni, Adv. Figs.  
 30Δ239 Gothic 39, Figs., Aux. Pos.  
 30Δ241 Gothic 40, Figs., Aux. Pos.  
 30Δ243 Gothic 41, Figs., Aux. Pos.  
 30Δ247 Metrolite No. 4 It.  
 30Δ249 Metrothin No. 4 It.  
 30Δ251 Metroblack, Adv. Figs.  
 30Δ253 Cheltenham Med. Cond.  
 30Δ255 Caslon It.  
 30Δ261 Garamond Bold No. 3  
 30Δ263 Memphis Bd., Adv. Figs.  
 30Δ269 De Vinne Outline  
 30Δ271 Memphis Medium  
 30Δ273 Memphis Light, Adv. Figs.  
 30Δ275 Memphis Extra Bold  
 30Δ279 Memphis Bold Cond.,  
 Adv. Figs.  
 30Δ281 Gothic No. 44, Figs.  
 30Δ283 Poster Bodoni Compressed  
 30Δ285 Memphis, Ex. Bd., Adv. Figs.  
 30Δ287 Memphis Bold Cond.  
 30Δ289 Memphis Medium Cond.  
 30Δ291 Memphis Ex. Bd. Cond.  
 30Δ293 Memphis Medium It.  
 30Δ295 Creek Metroblack, Caps  
 30Δ301 Ryerson Condensed  
 30Δ303 Caledonia Bold

### 30-Point—(Cont.)

30Δ305 Memphis Extra Bold Cd.,  
 Adv. Figs.  
 30Δ307 Memphis Bold It.  
 30Δ309 Metromedium No. 2 It.  
 30Δ311 Spartan Medium  
 30Δ313 Spartan Medium It.

### 34-Point

34Δ1 Gothic 14, Caps & Figs.  
 34Δ3 Goth. Cd. 3, Caps & Figs.  
 34Δ5 Russian Antique No. 14  
 34Δ9 Armenian Gothic Cond. 2  
 34Δ11 Erbar Bold Cond.  
 34Δ13 Erbar Light Cond.  
 34Δ15 Erbar Medium Cond.

### 36-Point

36Δ1 Gothic Cond. No. 3  
 36Δ3 Gothic 14, Caps & Figs.  
 36Δ5 Caption  
 36Δ9 Hebrew Cond.  
 36Δ11 Spartan Black Cond.  
 36Δ13 Gothic Cond. 2, Adv. Figs.  
 36Δ15 B. F. No. 6, Adv. Figs.  
 36Δ17 Bodoni  
 36Δ23 Gothic Cond. No. 2  
 36Δ25 Cheltenham Bold  
 36Δ27 Borders  
 36Δ29 Cheltenham  
 36Δ31 Chelt. Bold Extra Cond.  
 36Δ33 Century Bold  
 36Δ35 Gothic No. 16  
 36Δ37 Gothic No. 13  
 36Δ39 Bodoni Bold  
 36Δ41 Hebrew  
 36Δ43 Cheltenham Bold Cond.  
 36Δ45 Caslon Old Face  
 36Δ47 Latin Cond., Caps & Figs.  
 36Δ49 Narciss  
 36Δ51 Cloister  
 36Δ53 Garamond  
 36Δ55 Garamond Bold  
 36Δ57 Ionic Cond.  
 36Δ59 Metroblack  
 36Δ61 Metrolite  
 36Δ63 Metromedium  
 36Δ65 Metrothin  
 36Δ67 Pabst Ex. Bd., Adv. Figs.  
 36Δ69 Metroblack No. 2  
 36Δ71 Metrolite No. 2  
 36Δ73 Metromedium No. 2  
 36Δ75 Metrothin No. 2  
 36Δ77 Poster Bodoni  
 36Δ79 Pabst Extra Bold Cond.  
 36Δ81 Memphis Light  
 36Δ83 Memphis Bold  
 36Δ85 Memphis No. 39, Adv. Figs.  
 36Δ87 Gothic No. 40, Adv. Figs.  
 36Δ89 Gothic No. 41, Adv. Figs.  
 36Δ91 Gothic 39, Figs., Aux. Pos.  
 36Δ93 Gothic 40, Figs., Aux. Pos.  
 36Δ95 Gothic 41, Figs., Aux. Pos.  
 36Δ97 Metrolite No. 4 It.  
 36Δ99 Metrothin No. 4 It.  
 36Δ101 Metroblack, Adv. Figs.  
 36Δ103 Cheltenham Med. Cond.  
 36Δ105 Caslon It.  
 36Δ107 Garamond Bold No. 3  
 36Δ109 Memphis Bd., Adv. Figs.  
 36Δ111 De Vinne Outline  
 36Δ113 Memphis Medium  
 36Δ115 Memphis Light, Adv. Figs.  
 36Δ117 Memphis Extra Bold  
 36Δ119 Memphis Bold Cond.,  
 Adv. Figs.  
 36Δ121 Gothic No. 44, Figs.  
 36Δ123 Poster Bodoni Compressed  
 36Δ125 Memphis, Ex. Bd., Adv. Figs.  
 36Δ127 Memphis Bold Cond.  
 36Δ129 Memphis Medium Cond.  
 36Δ131 Memphis Ex. Bd. Cond.  
 36Δ133 Memphis Medium It.  
 36Δ135 Creek Metroblack, Caps  
 36Δ137 Ryerson Condensed  
 36Δ139 Caledonia Bold

# Face Identification Numbers—(Cont.)

## DISPLAY

36-Point—(Cont.)		42-Point—(Cont.)	
36Δ159	De Visme Outline	42Δ61	Pabst Extra Bold Cond.
36Δ161	Memph. Ex. Bd., Adv. Figs.	42Δ67	Metrobik. 2, Caps & Figs.
36Δ163	Memphis Bold Cond.	42Δ69	Memph. Ex. Bd., Ad. Figs.
36Δ165	Memphis Medium Cond.		
36Δ167	Memphis Ex. Bd. Cond.	48Δ1	Gothic 14, Caps & Figs.
36Δ169	Memphis Medium	48Δ3	Goth. Cd. 3, Caps & Figs.
36Δ171	Poster Bodoni Compressed	48Δ9	Chelt. Bold Extra Cond.
36Δ173	Erbar Bd. Cd. (V. S.), Adv. Figs.		Caps & Figs.
36Δ181	Caledonia Bold	48Δ11	Pabst Extra Bold Cond., Caps & Figs.
36Δ183	Metsomedium No. 2 It.	48Δ13	Pabst Ex. Bd. Cd. No. 1, Caps & Figs.
36Δ185	Line Text	48Δ15	Erbar Bold Cond.
		48Δ17	Erbar Light Cond.
		48Δ19	Erbar Bold Cond. No. 1, Caps & Figs.
42-Point		48Δ21	Gothic No. 13
42Δ1	Gothic 14, Caps & Figs.	48Δ23	Memph. Ex. Bd., Ad. Figs.
42Δ7	Gothic No. 16, Adv. Figs.		
42Δ9	Cheltenham Bd., Ad. Figs.		
42Δ11	Century Bold, Adv. Figs.		
42Δ13	Chelt. Bd. Cd., Adv. Figs.		
42Δ17	Servian Antique No. 14		
42Δ21	Chelt. Bold Extra Cond., Caps & Figs.	54Δ1	Gothic 14, Caps & Figs.
42Δ27	Goth. Cd. 2, Caps & Figs.	54Δ3	Erbar Light Cond., Caps & Figs.
42Δ29	Hebrew Cond.	54Δ5	Erbar Bold Cond., Caps & Figs.
42Δ37	Pabst Extra Bold Cond., Adv. Figs.		
42Δ39	Gothic No. 39, Adv. Figs.		
42Δ41	Gothic No. 40, Adv. Figs.		
42Δ43	Gothic No. 41, Adv. Figs.	60Δ1	Gothic 14, Caps & Figs.
42Δ45	Hebrew Extra Cond.	60Δ3	Cheltenham Bold Cond., Caps & Figs.
42Δ47	Erbar Light Cond.	60Δ5	Goth. Cd. 3, Caps & Figs.
42Δ49	Erbar Bold Cond.	60Δ7	Erbar Light Cond., Caps & Figs.
42Δ51	Clauister Bold, Adv. Figs.	60Δ9	Erbar Bold Cond., Caps & Figs.
42Δ53	Gothic No. 13, Adv. Figs.		
42Δ57	Bodoni Bold		
42Δ59	Erbar Medium Cond.		

## LINOTYPE FAMILIES

### Faces and Sizes

The following list of current Linotype faces is arranged by families. Available point sizes, in both text and display faces, are listed under the face names and the Linotype triangle numbers are placed next to the point sizes, (e.g., 6△428).

Display sizes are listed with certain code numbers opposite all point sizes. These code numbers refer to the magazines in which the faces will run and the key to these will be found on page 56.

### Two-Letter and Display Faces

See page 56 for explanation of table

#### ANTIQUÉ NO. 1

Antique No. 1 with Italic

8△98, 8△114, 9△132, 10△92, 12△88, 14△56

Antique No. 1\*

18△103\*-1, 2, 6, 7, 9, 10, 11, 12, 13, 15, 16, 18, 19L, 20, 21, 22T, 24Q,  
25mw, 26

24△135\*-2mw, 6, 7, 9, 10, 11mw, 13, 16, 18, 20, 21, 26

Antique No. 1 Italic\*

18△87\*-1, 2, 6, 7, 9, 10, 11, 12, 13, 15, 16, 18, 19L, 20, 21, 22T, 24Q,  
25w, 26

#### BASKERVILLE

Baskerville with Italic and Small Caps

6△428, 7△184, 8△420, 9△128, 10△378, 11△116, 12△314, 14△188

Baskerville\*

16△15\*-1, 2, 6, 7, 9, 10, 11, 12, 13, 14mw, 15, 16, 18, 19T, 20, 21,  
22T, 24Q, 25, 26

Baskerville with Baskerville Bold

7△192, 8△544, 9△186, 10△496, 11△152, 12△512, 14△270

Baskerville Bold with Italic

7△196, 8△556, 9△194, 10△510, 11△164, 12△484, 14△280

#### BELL GOTHIC

Bell Gothic, Two-Letter

8△418, 7△188, 8△508

Bell Gothic Bold\*

8△129

Bell Gothic Bold with Gothic No. 12

8 with 7 (8△482), 7 with 8 (7△200), (caps, figures, points)

#### BENEDICTINE

Benedictine Book with Italic and Small Caps

6△250, 7△110, 8△360, 9△94, 10△292, 11△88, 12△258, 14△146

Benedictine Book\*

18△225\*-1, 2, 6, 7, 9, 10, 11, 12, 13, 15, 16, 18, 19LT, 20, 21, 22T,  
24Q, 25w, 26

\* One-letter matrices.

‡ See note page 57.



# BODONI

## Bodoni Book with Italic and Small Caps

6Δ192, 7Δ94, 8Δ260, 9Δ104, 10Δ250, 12Δ186, 14Δ114, 16Δ80  
16Δ90-1, 2, 6, 7, 9, 10, 11, 12, 13, 14w, 15, 16, 18, 19, 20, 21, 22, 24,  
25, 26

## Bodoni Book\*

18Δ125\*-1, 2, 6, 7, 9, 10, 11, 12, 13, 14w, 15, 16, 18, 19, 20, 21, 22,  
24, 25, 26  
24Δ115\*-1, 2, 6, 7, 9, 10, 11, 12, 13, 15v, 16, 18, 19, 20, 21, 22T, 24Q,  
25w, 26  
30Δ109\*-2m, 6, 7, 9, 10, 11m, 13, 16, 18, 20, 21, 26

## Bodoni Book Italic\*

24Δ167\*-2, 6, 7, 9, 10, 11, 12MW, 13, 15d, 16, 18, 19LT, 20, 21,  
25mw, 26

## Bodoni with Italic and Small Caps

6Δ156, 7Δ92, 8Δ262, 10Δ216, 12Δ160, 14Δ94, 16Δ36, 24Δ36  
16Δ36-1, 2, 6, 7, 9, 10, 11, 12, 13, 14mw, 15, 16, 18, 19, 20, 21, 22T,  
24, 25w, 26  
24Δ38-2m, 6, 7, 9, 10, 11m, 13, 16, 18, 20, 21, 26

## Bodoni\*

16Δ21\*-1, 2, 5DV, 6, 7, 9, 10, 11, 12, 13, 14w, 15, 16, 17LT, 18, 19,  
20, 21, 22, 23W, 24, 25, 26  
16Δ101\*-1, 2, 6, 7, 9, 10, 11, 12, 13, 14mw, 15, 16, 18, 19, 20, 21,  
22T, 24, 25w, 26  
21Δ13\*-2, 6, 7, 9, 10, 11, 12MW, 13, 15d, 16, 18, 19LT, 20, 21, 22LT,  
24KQ, 25mw, 26  
24Δ73\*-2m, 6, 7, 9, 10, 11m, 13, 16, 18, 20, 21, 26  
30Δ29\*-2mw, 6, 7, 9Q, 11mw, 13, 16, 18, 21, 26  
36Δ17\*-7, 8, 9QXZ, 13, 16, 18, 21m

## Bodoni Italic\*

16Δ135\*-1, 2, 6, 7, 9, 10, 11, 12, 13, 14mw, 15, 16, 18, 19, 20, 21,  
22T, 24, 25w, 26  
24Δ169\*-2, 6, 7, 9, 10, 11, 13, 16, 18, 20, 21, 26  
30Δ105\* 7 8, 9X, 11mw, 13, 16, 18, 21, 26

## Bodoni Condensed\*

24Δ113\*-1, 2, 6, 7, 9, 10, 11, 12, 13, 15d, 16, 18, 19, 20, 21, 22T, 24Q,  
25w, 26  
30Δ153\*-2mw, 6, 7, 9, 10, 11mw, 13, 16, 18, 20, 21, 26

## Bodoni Bold with Italic

6Δ158, 7Δ176, 8Δ222, 9Δ192, 10Δ196, 12Δ132, 14Δ66, 16Δ10, 24Δ10  
16Δ10-1, 2, 6, 7, 9, 10, 11, 12, 13, 15, 16, 18, 19, 20, 21, 22T, 24,  
25w, 26  
24Δ10-2, 6, 7, 9, 10, 11, 13, 16, 18, 20, 21, 26

## Bodoni Bold\*

16Δ165\*-1, 2, 6, 7, 9, 10, 11, 12, 13, 15, 16, 18, 19, 20, 21, 22T, 24Q,  
25w, 26  
21Δ15\*-2, 6, 7, 9, 10, 11, 12MW, 13, 15dv, 16, 18, 19LT, 20, 21,  
25mw, 26  
24Δ121\*-2, 6, 7, 9, 10, 11, 13, 15dv, 16, 18, 20, 21, 26  
27Δ1\*-2mw, 6, 7, 9, 10, 11mw, 13, 16, 18, 20, 21, 26  
30Δ69\*-2mw, 6, 7, 9Q, 11mw, 13, 16, 18, 21, 26  
36Δ65\*-7, 8, 9bQX, 13, 16, 18, 21m  
42Δ57\*-13QX, 18

## Bodoni Bold Italic\*

18Δ187\*-1, 2, 6, 7, 9, 10, 11, 12, 13, 15, 16, 18, 19, 20, 21, 22T, 24,  
25w, 26  
21Δ17\*-2, 6, 7, 9, 10, 11, 12MW, 13, 15d, 16, 18, 19LT, 20, 21,  
25mw, 26  
24Δ147\*-2, 6, 7, 9, 10, 11, 13, 16, 18, 20, 21, 26  
30Δ129\*-7, 8, 9QXZ, 13, 16, 18, 21

\* One-letter matrices.      † See note page 37.

**Bodoni Bold Condensed\***

18Δ283\*-1, 2, 3, 4QW, 5D, 6, 7, 9, 10, 11, 12, 13, 14, 15, 16, 17LT,  
18, 19, 20, 21, 22, 23W, 24, 25, 26  
24Δ241\*-1, 2, 6, 7, 9, 10, 11, 12, 13, 15, 16, 18, 19, 20, 21, 22T, 24Q,  
25w, 26  
30Δ183\*-2, 6, 7, 9, 10, 11, 13, 15dv, 16, 18, 20, 21, 26  
36Δ145\*-2mw, 6, 7, 9Q, 11mw, 13, 16, 18, 21, 26

**Bodoni Bold Condensed with 18 Point Bodoni Bold**

24Δ118\*-1, 2, 6, 7, 9, 10, 11, 12, 13, 15, 16, 18, 19, 20, 21, 22T, 24Q,  
25w, 26

**Bodoni Bold Condensed with 18 Point Bodoni Bold Italic**

24Δ84\*-1, 2, 6, 7, 9, 10, 11, 12, 13, 15, 16, 18, 19, 20, 21, 22T, 24Q,  
25w, 26

**Bodoni Bold Condensed with 14 Point Bodoni Bold**

18Δ94\*-1, 2, 3R, 5D, 6, 7, 9, 10, 11, 12, 13, 14w, 15, 16, 17LT, 18, 19,  
20, 21, 22, 23W, 24, 25, 26

**Poster Bodoni with Italic**

8Δ412, 10Δ326, 12Δ298, 14Δ174, 18Δ26, 24Δ26  
18Δ26-2mw, 8, 7, 9, 10, 11mw, 13, 16, 18, 20, 21, 26  
24Δ26-7, 8, 9QX, 13, 16, 18, 21m

**Poster Bodoni\***

18Δ309\*-2mw, 6, 7, 9, 10, 11mw, 13, 16, 18, 20, 21, 26  
24Δ257\*-7, 8, 9QX, 13, 16, 18, 21m  
30Δ79\*-13QX, 13  
36Δ123\*-13qx (Caps pd)

**Poster Bodoni Italic\***

18Δ313\*-2mw, 6, 7, 9, 10, 11mw, 13, 16, 18, 20, 21, 26

**Poster Bodoni Compressed\***

18Δ427\*-1, 2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20,  
21, 22, 23, 24, 25, 26  
24Δ581\*-1, 2, 3QR, 4QW, 5DR, 8, 7, 9, 10, 11, 12, 13, 14w, 15, 16,  
18, 19, 20, 21, 22, 23W, 24, 25w, 26  
30Δ283\*-1, 2, 8, 7, 9, 10, 11, 12, 13, 15d, 16, 18, 19LT, 20, 21, 22T,  
24, 25w, 26  
38Δ171\*-2, 6, 7, 9, 10, 11, 12W, 13, 15dv, 16, 18, 20, 21, 24Q, 26,

**BOLD FACE NO. 9****Bold Face No. 9\***

18Δ157\* (Caps)-8, 13, 18

**Bold Face No. 9a\***

18Δ151\* (Caps)-8, 13, 16

**BOOKMAN****Bookman with Italic and Small Caps**

6Δ394, 7Δ170; 8Δ470, 9Δ150, 10Δ428, 11Δ132, 12Δ444, 14Δ232

**CALEDONIA****Caledonia with Italic and Small Caps**

6Δ474, 8Δ534, 9Δ188, 10Δ496, 11Δ140, 12Δ504, 14Δ272

**Caledonia with Bold**

6Δ456, 8Δ560, 9Δ196, 10Δ518, 11Δ166, 12Δ528, 14Δ286

**Caledonia Bold\***

18Δ25\*-1, 2, 6, 7, 9, 10, 11, 12, 13, 14mw, 15, 16, 18, 19, 20, 21, 22T,  
24Q, 25w, 26  
18Δ445\*-1, 2, 6, 7, 9, 10, 11, 12, 13, 15, 16, 18, 19LT, 20, 21, 24Q,  
25mw, 26  
21Δ27\*-2mw, 6, 7, 9, 10, 11mw, 13, 16, 18, 19LT, 20, 21, 26  
24Δ407\*-2mw, 6, 7, 9, 10, 11mw, 13, 16, 18, 20, 21, 26  
27Δ3\*-2mw, 6, 7, 9Q, 11mw, 13, 18, 18, 21, 26  
30Δ903\*-7m, 8, 9mOX, 11mw, 13, 16, 18, 21m  
36Δ181\*-7m, 8, 13Q, 16, 18

\* One-letter matrices.

# CAPTION

## Caption\*

24Δ23\* (Caps)—1, 3, 4W, 5, 6, 10, 12, 13, 18, 17, 19, 20, 22, 23W, 24  
38Δ5\*—1, 2, 8, 7, 9, 10, 11, 12, 13, 15, 18, 18, 19, 20, 21, 22, 24, 25w,  
28

# CASLON

## Caslon with Italic and Small Caps

7Δ8, 8Δ24, 9Δ18, 10Δ8, 11Δ12, 12Δ12, 14Δ34, 18Δ88  
18Δ88—2, 8, 7, 9, 10, 11, 13, 15, 18, 18, 19LT, 20, 21, 25mw, 28

## Caslon\*

38Δ147\*—7mp, 8, 9mpQXZ, 13Q, 18, 18

## Caslon Italic\*

18Δ385\*—2, 6, 7, 9, 10, 11, 13, 15d, 16, 18, 19LT, 20, 21, 25mw, 26  
24Δ385\*—2mw, 7, 8, 9X, 11mw, 13, 16, 18, 21, 26  
30Δ255\*—7m, 8, 9mQXZ, 13X, 18, 18, 21m

## Caslon Italic (Normal Position)\*

18Δ461\*—2, 8, 7, 9, 10, 11, 13, 15d, 18, 18, 19LT, 20, 21, 25mw, 28

## Caslon No. 2 with Italic and Small Caps

6Δ202, 8Δ208, 10Δ260, 11Δ112, 12Δ74

## Caslon No. 3 with Italic and Small Caps

6Δ160, 7Δ154, 8Δ208, 9Δ130, 10Δ180, 12Δ120, 14Δ54, 18Δ86, 24Δ86  
18Δ86—2, 6, 7, 9, 10, 11, 13, 16, 18, 20, 21, 28  
24Δ86—7, 8, 9QX, 11mw, 13, 18, 18, 21m

## Caslon No. 3\*

18Δ213\*—2, 8, 7, 9, 10, 11, 13, 15dv, 18, 18, 20, 21, 26  
24Δ175\*—7, 8, 9QX, 11mw, 13, 16, 18, 21  
30Δ113\*—7mw, 8, 13QX, 18, 18

## Caslon No. 3 Italic\*

18Δ215\*—2, 6, 7, 9, 10, 11, 13, 16, 18, 20, 21, 26  
24Δ177\*—7, 8, 9QX, 13, 18, 18, 21m  
30Δ115\*—7m, 8, 9mQXZ, 13QX, 16, 18

## Caslon No. 4\*

18Δ115\*—1, 2, 6, 7, 9, 10, 11, 12, 13, 15, 18, 18, 19LT, 20, 21, 24Q,  
25w, 28

## Caslon No. 137 with Italic and Small Caps

7Δ188, 8Δ486, 9Δ144, 10Δ424, 11Δ122, 12Δ440

## Caslon Old Face with Italic and Small Caps

8Δ224, 8Δ312, 9Δ82, 10Δ280, 11Δ78, 11½Δ4, 12Δ238, 14Δ132

## Caslon Old Face\*

18Δ169\*—1, 2, 6, 7, 9, 10, 11, 12, 13, 14mw, 15, 16, 18, 19, 20, 21,  
22T, 24, 25, 26  
21Δ5\*—2, 8, 7, 9, 10, 11, 13, 15, 18, 18, 19LT, 20, 21, 25w, 26  
24Δ127\*—2, 8, 7, 9, 10, 11, 13, 15dv, 18, 18, 20, 21, 25mw, 28  
30Δ129\*—7, 8, 9Q, 11mw, 13, 16, 18, 21, 26  
38Δ81\*—7mp, 8mpQXZ, 13QZ, 18

## Caslon Old Face Italic\*

18Δ171\*—1, 2, 8, 7, 9, 10, 11, 12, 13, 14, 15, 16, 18, 19L, 20, 21, 22T,  
24, 25, 28  
21Δ5\*—2, 6, 7, 9, 10, 11, 13, 14w, 15, 16, 18, 20, 21, 25w, 26  
24Δ125\*—2, 6, 7, 9, 10, 11, 13, 15d, 18, 18, 20, 21, 25w, 26

## Caslon Bold with Italic

5Δ88, 6Δ410

## Caslon Bold Condensed\*

14Δ117\*—38, 5D, 22, 23W, 24  
18Δ183\*—1, 2, 6, 7, 9, 10, 11, 12, 13, 14mw, 15, 16, 18, 19, 20, 21, 22T,  
24, 25w, 28  
24Δ119\*—2, 6, 7, 9, 10, 11, 12MW, 13, 15dv, 18, 18, 19LT, 20, 21,  
25mw, 26  
30Δ67\*—2mw, 8, 7, 9Q, 10, 11mw, 13, 16, 18, 21, 28  
36Δ149\*—7, 8, 9QXZ, 13, 18, 18, 21

\* One-letter matrices.

# CENTURY

## Century Expanded with Italic and Small Caps

4Δ4, 8Δ42, 7Δ88, 8Δ28, 9Δ58, 10Δ16, 11Δ104, 12Δ22, 14Δ58, 18Δ44  
18Δ44-1, 2, 6, 7, 9, 10, 11, 12, 13, 15d, 16, 18, 19L, 20, 21, 22T, 24,  
25w, 26

## Century Expanded\*

18Δ123\*-1, 2, 6, 7, 9, 10, 11, 12, 13, 15d, 16, 18, 19L, 20, 21, 22T,  
24Q, 25w, 26  
24Δ137\*-2mw, 6, 7, 9, 10, 11mw, 13, 18, 18, 20, 21, 26

## Century Expanded with Century Bold

6Δ94, 7Δ80, 8Δ122, 9Δ72, 10Δ112, 11Δ70, 12Δ64, 14Δ20

## Century Expanded with Century Bold Italic

10Δ228, 14Δ102

## Century Expanded with Cheltenham Bold

6Δ172, 8Δ254, 10Δ208, 12Δ140, 14Δ88

## Century Expanded with Gothic No. 16

4Δ2

## Century Bold with Italic

8Δ308, 10Δ268, 12Δ198, 14Δ124, 18Δ78, 24Δ78  
18Δ76-1, 2, 6, 7, 9, 10, 11, 12, 13, 15, 16, 18, 19L, 20, 21, 22T, 24Q,  
25w, 26  
24Δ76-2mw, 6, 7, 9, 10, 11mw, 13, 16, 18, 20, 21, 26

## Century Bold with Century Expanded

18Δ60-1, 2, 6, 7, 9, 10, 11, 12, 13, 15d, 16, 18, 19L, 20, 21, 22T, 24,  
25w, 26

## Century Bold\*

18Δ133\*-1, 2, 6, 7, 9, 10, 11, 12, 13, 15, 18, 18, 19L, 20, 21, 22T, 24,  
25w, 26  
24Δ107\*-2mw, 6, 7, 9, 10, 11mw, 13, 16, 18, 20, 21, 26  
30Δ89\*-7, 8, 9QX, 13, 16, 18, 21  
36Δ55\*-7, 8, 13X, 18, 18

## Century Bold Italic\*

18Δ173\*-2, 6, 7, 9, 10, 11, 12MW, 13, 15d, 16, 18, 20, 21, 25mw, 26  
24Δ131\*-2mw, 6, 7, 9, 10, 11mw, 13, 16, 18, 20, 21, 26  
30Δ81\*-7, 8, 9QXZ, 13, 16, 18, 21  
36Δ149\*-13QXZ, 18

## Century Bold Condensed\*

18Δ57\*-1, 2, 3, 4W, 5, 6, 7, 9, 10, 11, 12, 13, 14w, 15, 16, 17, 18, 19,  
20, 21, 22, 23W, 24, 25, 26  
24Δ57\*-1, 2, 6, 7, 9, 10, 11, 12, 13, 14mw, 15, 16, 18, 19, 20, 21, 22T,  
24, 25w, 26

## Century Bold Extra Condensed\*

30Δ75\* (Caps)-1, 6, 10, 12, 13, 16, 19, 20, 22T, 24

# CHELTEHAM

## Cheltenham with Italic and Small Caps

8Δ12, 9Δ48, 10Δ18, 11Δ48, 12Δ18, 14Δ4, 18Δ92, 24Δ92  
18Δ52-1, 2, 6, 7, 9, 10, 11, 12, 13, 14mw, 15, 16, 18, 19LT, 20, 21,  
24Q, 25w, 26  
24Δ92-2, 6, 7, 9, 10, 11, 13, 15dv, 16, 18, 20, 21, 25mw, 26

## Cheltenham\*

20Δ9\*-1, 2, 6, 7, 9, 10, 11, 12, 13, 14w, 15, 16, 18, 19, 20, 21, 22T,  
24Q, 25w, 26  
24Δ101\*-2, 6, 7, 9Q, 10, 11, 13, 15dv, 16, 18, 20, 21, 25mw, 26  
30Δ55\*-2mw, 6, 7, 9Q, 11mw, 13, 16, 18, 21, 26  
36Δ43\*-7, 8, 9QXZ, 13QX, 16, 18, 21m

## Cheltenham Italic\*

20Δ17\*-2, 6, 7, 9, 10, 11, 12mw, 13, 14w, 15, 18, 18, 19LT, 20, 21,  
24Q, 25w, 26  
30Δ97\*-2mw, 6, 7, 8, 9QXZ, 11mw, 13, 16, 18, 21, 26

\* One-letter matrices.      § See note page 57.

**Cheltenham Condensed with Cheltenham Bold Condensed**  
8Δ166, 10Δ142, 12Δ94, 14Δ42

**Cheltenham Condensed\***

18Δ99\*-1, 2, 5DV, 6, 7, 9, 10, 11, 12, 13, 14, 15, 16, 18, 19, 20, 21,  
22, 23OW, 24, 25, 26  
24Δ55\*-1, 2, 6, 7, 9, 10, 11, 12, 13, 15, 16, 18, 19, 20, 21, 22T, 24,  
25mw, 26  
30Δ187\*-2, 6, 7, 9, 10, 11, 13, 15dv, 16, 18, 20, 21, 26

**Cheltenham Medium Condensed\***

18Δ89\*-1, 2, 5DV, 6, 7, 9, 10, 11, 12, 13, 14, 15, 18, 17LT, 18, 19,  
20, 21, 22, 23OW, 24, 25, 26  
24Δ331\*-1, 2, 6, 7, 9, 10, 11, 12, 13, 15v, 16, 18, 19LT, 20, 21, 24Q,  
25w, 26  
30Δ253\*-2, 6, 7, 9, 10, 11, 13, 15dv, 16, 18, 20, 21, 26

**Cheltenham Bold with Italic**

8Δ162, 8Δ60, 10Δ52, 11Δ106, 12Δ48, 14Δ30, 18Δ90, 24Δ90  
18Δ90-1, 2, 6, 7, 9, 10, 11, 12, 13, 15, 16, 18, 19T, 20, 21, 22OT,  
24Q, 25w, 26  
24Δ90-2mw, 8, 7, 9Q, 10, 11mw, 13, 18, 18, 20, 21, 28

**Cheltenham Bold\***

18Δ97\*-1, 2, 6, 7, 9, 10, 11, 12, 13, 15, 18, 18, 19, 20, 21, 22OT, 24Q,  
25w, 26  
24Δ75\*-2, 6, 7, 9Q, 10, 11, 13, 16, 18, 20, 21, 26  
30Δ31\*-2mw, 6, 7, 9Q, 11mw, 13, 16, 18, 21, 28  
36Δ33\*-7mp, 8, 13QX, 18, 18

**Cheltenham Bold Italic\***

18Δ175\*-2, 6, 7, 9, 10, 11, 12MW, 13, 15d, 16, 18, 19LT, 20, 21,  
25mw, 28  
24Δ117\*-2mw, 6, 7, 9, 10, 11mw, 13, 18, 18, 20, 21, 26  
30Δ95\*-7, 8, 9QXZ, 13, 16, 18, 21

**Cheltenham Bold Condensed with Italic**

6Δ232, 8Δ178, 10Δ148, 12Δ98, 14Δ48, 18Δ34, 24Δ24  
18Δ24-1, 2, 6, 7, 9, 10, 11, 12, 13, 14w, 15, 16, 18, 19, 20, 21, 22, 24,  
25, 26  
24Δ24-1, 2, 6, 7, 9, 10, 11, 12, 13, 15v, 16, 18, 19T, 20, 21, 22LT,  
24Q, 25w, 26

**Cheltenham Bold Condensed\***

18Δ59\*-1, 2, 5DV, 6, 7, 9, 10, 11, 12, 13, 14w, 15, 18, 17LT, 18, 19,  
20, 21, 22, 23W, 24, 25, 26  
24Δ123\*-1, 2, 6, 7, 9, 10, 11, 12, 13, 15v, 16, 18, 19T, 20, 21, 22OT,  
24Q, 25mw, 26  
30Δ71\*-2mw, 6, 7, 9, 10, 11mw, 13, 16, 18, 20, 21, 26  
38Δ73\*-7, 8, 9QX, 13, 16, 18, 21  
60Δ3\* (Caps)-8, 13, 16†

**Cheltenham Bold Condensed Italic\***

18Δ191\*-1, 2, 6, 7, 9, 10, 11, 12, 13, 14mw, 15, 18, 18, 19, 20, 21, 22,  
24, 25, 26  
24Δ173\*-2, 6, 7, 9, 10, 11, 12MW, 13, 15dv, 16, 18, 19LT, 20, 21,  
25mw, 26  
30Δ111\*-2, 6, 7, 9, 10, 11, 13, 16, 18, 20, 21, 26  
36Δ157\* (Caps)-8, 13, 16

**Cheltenham Bold Extra Condensed\***

18Δ41\*-1, 2, 3, 4W, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19,  
20, 21, 22, 23, 24, 25, 26  
24Δ29\*-1, 2, 3OR, 5DV, 6, 7, 9, 10, 11, 12, 13, 14w, 15, 18, 17LT,  
18, 19, 20, 21, 22, 23W, 24, 25w, 26  
30Δ7\*-1, 2, 6, 7, 9, 10, 11, 12, 13, 15, 16, 18, 19, 20, 21, 22T, 24,  
25w, 26  
36Δ45\*-1, 2, 6, 7, 9, 10, 11, 12, 13, 15d, 18, 18, 19, 20, 21, 22T,  
24Q, 25w, 26  
42Δ21\* (Caps)-1†, 6, 10, 12, 13, 18, 19, 20, 22T, 24Q  
48Δ9\* (Caps)-8, 10, 13, 18, 20†

\* One-letter matrices. † See note page 57.

**Cheltenham Bold Extra Condensed Italic\***

24Δ85\*-1, 2, 8, 7, 9, 10, 11, 12, 13, 15d, 16, 18, 19, 20, 21, 22, 24,  
25w, 26

**Cheltenham Wide with Cheltenham Bold**

6Δ180, 8Δ158, 10Δ104, 12Δ88, 14Δ40

**CLASSIC**

**Classic with Century Bold**

8Δ108, 10Δ86, 12Δ58, 14Δ26

**CLEARFACE BOLD**

**Clearface Bold\***

24Δ199\*-2mw $\frac{1}{2}$ , 8, 7, 9, 10, 11m, 13, 16, 18, 20, 21, 28

**Clearface Bold Italic\***

24Δ201\*-2, 6, 7, 9, 10, 11, 13, 16, 18, 20, 21, 26

**CLOISTER**

**Cloister with Italic and Small Caps**

6Δ280, 8Δ978, 10Δ312, 11Δ98, 12Δ284, 14Δ162, 18Δ14

18Δ14-1, 2, 6, 7, 9, 10, 11, 12, 13, 14w, 15, 16, 17LT, 18, 19, 20, 21,  
22T, 24, 25, 26

**Cloister\***

18Δ263\*-1, 2, 8, 7, 9, 10, 11, 12, 13, 14w, 15, 16, 18, 19, 20, 21, 22T,  
24, 25, 26

24Δ223\*-2, 8, 7, 9, 10, 11, 13, 15d, 16, 18, 20, 21, 25mw, 26

30Δ161\*-2mw, 7, 8, 9QXZ, 11m, 13, 16, 18, 21, 26

36Δ91\*-7, 8, 9QXZ, 11mw, 13Q, 18, 18, 21m

**Cloister Italic\***

18Δ267\*-1, 2, 6, 7, 9, 10, 11, 12, 13, 14, 15, 16, 17LT, 18, 19T, 20,  
21, 22T, 24, 25, 26

24Δ225\*-2, 6, 7, 9, 10, 11, 13, 14mw, 15d, 16, 18, 19LT, 20, 21,  
25w, 26

30Δ163\*-2m, 8, 7, 9, 11m, 13, 18, 18, 21, 25mw, 26

**Cloister Wide with Bold**

8Δ278, 8Δ374, 10Δ306, 12Δ280, 14Δ158

**Cloister Bold with Italic**

8Δ268, 8Δ370, 10Δ302, 12Δ276, 14Δ154, 18Δ12, 24Δ12

18Δ12-1, 2, 8, 7, 9, 10, 11, 12, 13, 14mw, 15, 16, 18, 19, 20, 21, 22T,  
24, 25, 26

24Δ12-2, 6, 7, 9, 10, 11, 13, 15dv, 18, 18, 19LT, 20, 21, 26

**Cloister Bold\***

18Δ245\*-1, 2, 8, 7, 9, 10, 11, 12, 13, 14mw, 15, 16, 18, 19, 20, 21,  
22T, 24, 25, 26

24Δ207\*-2, 8, 7, 9, 10, 11, 13, 15dv, 16, 18, 20, 21, 26

30Δ155\*-2mw, 7, 8, 9QXZ, 11mw, 13, 18, 18, 21, 28

38Δ137\*-7, 8, 9QXZ, 13QX, 18, 18, 21

**Cloister Bold Italic\***

18Δ245\*-1, 2, 6, 7, 9, 10, 11, 12, 13, 14w, 15, 16, 18, 19, 20, 21, 22T,  
24, 25, 26

24Δ209\*-2, 8, 7, 9, 10, 11, 13, 15dv, 16, 18, 19LT, 20, 21, 25mw, 26

30Δ157\*-2mw, 7, 8, 9QXZ, 11mw, 13, 16, 18, 21, 26

38Δ139\*-7, 8, 9QXZ, 13, 16, 18, 21

**CORONA**

**Corona with Bold Face No. 2**

7 $\frac{1}{2}$ Δ28, 8Δ568, 8 $\frac{1}{2}$ Δ8, 10Δ540

**Corona with Italic and Small Caps**

7 $\frac{1}{2}$ Δ30, 8 $\frac{1}{2}$ Δ6

**Corona with Gothic**

7 $\frac{1}{2}$ Δ32

\* One-letter matrices.      † See note page 57.

# DE VINNE

## DeVenne with Italic and Small Caps

6Δ24, 8Δ118, 9Δ4, 10Δ24, 11Δ14, 12Δ14, 14Δ84

## DeVenne with Antique No. 3

6Δ28, 8Δ164, 9Δ6, 10Δ12, 11Δ16, 12Δ16, 14Δ22

## DeVenne Condensed\*

30Δ53\*-2mw, 6, 7, 9, 10, 11mw, 13, 16, 18, 20, 21, 28

## DeVenne Extra Condensed\*

24Δ27\*-1, 2, 3R, 5DV, 6, 7, 9, 10, 11, 12, 13, 14w, 15, 18, 17LT, 18, 19, 20, 21, 22, 23w, 24, 25w, 26

# ELECTRA

## Electra with Italic and Small Caps

7Δ182, 8Δ484, 9Δ160, 10Δ422, 11Δ124, 12Δ384, 14Δ216

## Electra with Cursive and Small Caps

8Δ484c, 9Δ160c, 10Δ422c, 11Δ124c, 12Δ384c

## Electra with Bold

8Δ548, 9Δ114, 10Δ504, 11Δ158, 12Δ482, 14Δ276

# ERRAR

## Errar Light Condensed with Bold Condensed

8Δ504, 10Δ416, 12Δ392, 14Δ210, 18Δ4  
18Δ4-1, 2, 3, 4W, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26

## Errar Light Condensed\*

18Δ353\*-1, 2, 3, 4W, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26  
24Δ299\*-1, 2, 3, 5V, 6, 7, 9, 10, 11, 12, 13, 14w, 15, 16, 17, 18, 19, 20, 21, 22, 23W, 24, 25, 28  
28Δ21\*-1, 2, 5DV, 6, 7, 9, 10, 11, 12, 13, 14mw, 15, 16, 17, 18, 19, 20, 21, 22, 24, 25, 26  
34Δ13\*-1, 2, 6, 7, 9, 10, 11, 12, 13, 15d, 18, 18, 19, 20, 21, 22, 24, 25mw, 28  
42Δ47\*-2mw, 6, 7, 9, 10, 11mw, 13, 16, 18, 20, 21, 28  
48Δ17\*-7, 9, 9Q, 11mw, 13, 16, 18, 21  
54Δ3\* (Caps)-8, 13, 16  
60Δ7\* (Caps)-8, 13, 16†

## Errar Medium Condensed with Light Condensed

18Δ88-1, 2, 3, 4W, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26  
24Δ88-1, 2, 3, 5V, 6, 7, 9, 10, 11, 12, 13, 14w, 15, 16, 17, 18, 19, 20, 21, 22, 23W, 24, 25, 28

## Errar Medium Condensed\*

18Δ991\*-1, 2, 3, 4W, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26  
24Δ353\*-1, 2, 3, 5V, 6, 7, 9, 10, 11, 12, 13, 14w, 15, 16, 17, 18, 19, 20, 21, 22, 23W, 24, 25, 26  
28Δ23\*-1, 2, 5DV, 6, 7, 9, 10, 11, 12, 13, 14mw, 15, 16, 17, 18, 19, 20, 21, 22, 24, 25w, 26  
34Δ15\*-1, 2, 6, 7, 9, 10, 11, 12, 13, 15dv, 16, 18, 19, 20, 21, 22, 24Q, 25mw, 28  
42Δ59\*-8, 7, 9, 10, 11mw, 13, 16, 18, 20†, 21, 28

## Errar Bold Condensed with Light Condensed

18Δ56-1, 2, 3, 4W, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26  
24Δ56-1, 2, 6R, 5V, 6, 7, 9, 10, 11, 12, 13, 14mw, 15, 16, 17, 18, 19, 20, 21, 22, 23W, 24, 25w, 28

\*One-letter matrices.

**Erbar Bold Condensed\***

18Δ351\*-1, 2, 3, 4W, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19,  
20, 21, 22, 23, 24, 25, 26  
24Δ295\*-1, 2, 3H, 5V, 6, 7, 8, 10, 11, 12, 13, 14mw, 15, 16, 17, 18, 19,  
20, 21, 22, 23w, 24, 25w, 26  
28Δ19\*-1, 2, 6, 7, 9, 10, 11, 12, 13, 15d, 16, 18, 19, 20, 21, 22, 24,  
25mw, 26  
34Δ11\*-2, 6, 7, 8, 10, 11, 12MW, 13, 16, 18, 19, 20, 21, 26  
42Δ49\*-7, 8, 9Q, 13, 18, 18, 21  
48Δ15\*-7m, 8, 13, 16, 18  
54Δ5\* (Caps)-8, 13Q, 18†  
60Δ9\* (Caps)-13, 16†

**Erbar Bold Condensed No. 1\***

48Δ19\* (Caps)-13, 16

**ESTIENNE****Estienne with Italic and Small Caps**

8Δ446, 10Δ408, 12Δ380, 14Δ202

**Estienne\***

16Δ17\*-1, 2, 5DV, 6, 7, 9, 10, 11, 12, 13, 14, 15, 16, 17LT, 18, 19,  
20, 21, 22, 24, 25, 28  
18Δ385\*-1†W, 2, 6, 7, 9, 10, 11, 12W, 13, 14, 15, 16, 18, 19, 20, 21,  
22T, 24, 25, 26

**EXCELSIOR****Excelsior with Italic and Small Caps**

5Δ40, 5½Δ50, 6Δ320, 7½Δ8, 9Δ134, 10Δ386, 11Δ120, 12Δ534, 14Δ218

**No. 1 Excelsior with Italic and Small Caps**

7Δ140, 8Δ432

**No. 2 Excelsior with Italic and Small Caps**

7Δ142

**Excelsior with Bold Face No. 2**

5Δ32, 5½Δ48, 6Δ314, 7½Δ6, 7½Δ2, 9Δ136, 10Δ380, 11Δ128, 12Δ378,  
14Δ214

**No. 1 Excelsior with Bold Face No. 2**

7Δ138, 8Δ424

**No. 2 Excelsior with Bold Face No. 2**

7Δ136

**Excelsior with Gothic No. 3**

5Δ36, 5½Δ54, 6Δ368

**No. 1 Excelsior with Gothic No. 3**

7Δ156

**No. 2 Excelsior with Gothic No. 3**

7Δ158, 8Δ466

**Excelsior with Memphis Bold**

6Δ428, 7Δ190, 7½Δ24, 8Δ502, 9Δ168, 10Δ466, 11Δ150, 12Δ488,  
14Δ252

**FAIRFIELD****Fairfield with Italic and Small Caps**

6Δ478, 8Δ538, 9Δ174, 10Δ500, 11Δ148, 12Δ508, 14Δ282

**FRANKLIN GOTHIC****Franklin Gothic\***

18Δ399\*-2, 6, 7, 9, 10, 11, 12MW, 13, 18, 18, 19LT, 20, 21, 24QS, 26  
24Δ351\*-7, 8, 9Q, 11mw, 13, 16, 18, 21, 26s

**GARAMOND****Garamond with Italic and Small Caps**

6Δ274, 8Δ372, 9Δ102, 10Δ304, 11Δ96, 12Δ278, 14Δ156

\* One-letter matrices.



**Caramond\***

18Δ265\*-1, 2, 6, 7, 9, 10, 11, 12, 13, 14mw, 15, 16, 18, 19, 20, 21,  
22T, 24, 25w, 26  
24Δ227\*-2mw, 6, 7, 9, 10, 11mw, 13, 16, 18, 20, 21, 26  
30Δ185\*-7, 8, 9QX, 11mw, 13, 16, 18, 21, 26  
36Δ93\*-7m, 19QX, 18

**Caramond Italic\***

18Δ289\*-1, 2, 6, 7, 9, 10, 11, 12, 13, 14mw, 15, 18, 19, 20, 21,  
22T, 24, 25w, 26  
24Δ229\*-2mw, 6, 7, 9, 10, 11mw, 13, 16, 18, 20, 21, 26  
30Δ167\*-7, 8, 9QX, 11mw, 13, 16, 18, 21, 26

**Caramond Bold with Italic**

8Δ286, 8Δ380, 10Δ314, 12Δ286, 14Δ184, 18Δ22, 24Δ22  
18Δ22-1, 2, 6, 7, 9, 10, 11, 12, 13, 14mw, 15, 16, 18, 19, 20, 21, 22T,  
24, 25w, 26  
24Δ22-6, 7, 9QX, 10, 11mw, 13, 16, 18, 20, 21, 26

**Caramond Bold\***

18Δ277\*-1, 2, 6, 7, 9, 10, 11, 12, 13, 14mw, 15, 16, 18, 19, 20, 21,  
22T, 24, 25w, 26  
24Δ235\*-6, 7, 9QX, 10, 11mw, 13, 16, 18, 20, 21, 26  
30Δ173\*-7, 8, 9QX, 10, 18, 18, 21  
36Δ97\*-19QX, 18

**Caramond Bold Italic\***

18Δ279\*-1, 2, 6, 7, 9, 10, 11, 12, 13, 14mw, 15, 18, 18, 19, 20, 21,  
22T, 24, 25w, 26  
24Δ237\*-6, 7, 9QX, 11mw, 13, 16, 18, 20, 21, 28  
30Δ175\*-7, 8, 9QX, 13, 16, 18, 21

**Caramond No. 3 with Italic and Small Caps**

8Δ396, 7Δ172, 8Δ478, 9Δ152, 10Δ440, 11Δ128, 12Δ454, 14Δ236,  
18Δ62  
18Δ62-1, 2, 6, 7, 9, 10, 11, 12, 13, 14mw, 15, 16, 18, 19, 20, 21, 22T,  
24, 25w, 26

**Caramond No. 3\***

18Δ425\*-1, 2, 6, 7, 9, 10, 11, 12, 13, 14mw, 15, 16, 18, 19, 20, 21,  
22T, 24, 25w, 26

**Caramond Bold No. 3 with Italic and Small Caps**

6Δ396, 7Δ174, 8Δ478, 9Δ154, 10Δ436, 11Δ130, 12Δ452, 14Δ228,  
18Δ58, 24Δ58  
18Δ58-1, 2, 6, 7, 9, 10, 11, 12, 13, 14mw, 15, 16, 18, 19, 20, 21, 22T,  
24, 25w, 26  
24Δ58-2, 8, 7, 9, 10, 11, 13, 16, 18, 20, 21, 26

**Caramond Bold No. 3\***

18Δ401\*-1, 2, 6, 7, 9, 10, 11, 12, 13, 14mw, 15, 16, 18, 19, 20, 21, 22T,  
24, 25w, 26  
24Δ339\*-2mw, 6, 7, 9, 10, 11mw, 13, 16, 18, 20, 21, 26  
30Δ461\*-7, 8, 9QX, 11mw, 13, 16, 18, 21m

**Caramond Bold No. 3 Italic\***

18Δ415\*-1, 2, 6, 7, 9, 10, 11, 12, 13, 14mw, 15, 16, 18, 19, 20, 21, 22T,  
24, 25w, 26

**GOTHICS****Franklin Gothic\***

18Δ389\*-2, 6, 7, 9, 10, 11, 12MW, 13, 16, 18, 19LT, 20, 21, 24QS, 26  
24Δ351\*-7, 8, 9Q, 11mw, 13, 16, 18, 21, 26a

**Gothic Condensed No. 1\***

8Δ89\*, 10Δ69\*, 11Δ17\*, 14Δ5\*, 18Δ33\*  
18Δ33\*-1, 2, 3, 4W, 5, 6, 7, 8, 10, 11, 12, 13, 14, 15, 16, 17T, 18, 19,  
20, 21, 22, 23W, 24, 25, 26

\* One-letter matrices.      § See note page 57.

**Gothic Condensed No. 2\***

6659\*, 6659\*, 10641\* 12Δ17\*, 14Δ3\*, 18Δ1\*, 24Δ21\*, 30Δ3\*,  
36Δ23\*, 42Δ27\*  
18Δ1\*-1, 2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20,  
21, 22, 23, 24, 25, 26  
24Δ21\*-1, 2, 3, 4W, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19,  
20, 22, 23W, 24, 25, 26  
30Δ3\*-1, 2, 6, 7, 9, 10, 11, 12, 13, 14mw, 15, 16, 18, 19, 20, 21, 22T,  
24S, 25w, 26  
36Δ23\*-1, 2, 6, 7, 9, 10, 11, 12, 13, 15d, 16, 18, 19, 20, 21, 22T, 24,  
25w, 26  
42Δ27\* (Caps)-8, 10, 12MW, 13, 16, 19LT, 20

**Gothic Condensed No. 2 Duplicate**

8Δ570, 10Δ532

**Gothic No. 3 with II Point Gothic Condensed No. 1**

10Δ102

**Gothic Condensed No. 3\***

24Δ59\* (Caps)-1, 3, 4, 5, 6, 10, 12, 13, 16, 17, 19, 20, 22, 23, 24  
28Δ5\* (Caps)-1, 3, 4MW, 5, 6, 10, 12, 13, 16, 17, 19, 20, 22, 23W, 24  
30Δ1\* (Caps)-1, 3, 4W, 5, 6, 10, 12, 13, 16, 17, 19, 20, 22, 23, 24  
34Δ3\* (Caps)-1, 3, 4W, 5D, 6, 10, 12, 13, 16, 17LT, 19, 20, 22, 23W,  
24  
38Δ1\*-1, 2, 5DV, 6, 7, 9, 10, 11, 12, 13, 14mw, 15, 16, 17LT, 18, 19,  
20, 21, 22, 23MW, 24, 25w, 26  
48Δ9\* (Caps)-8, 10, 12MW, 13, 16, 19L, 20, 22ST, 24QS  
60Δ5\* (Caps)-6, 10, 13, 16, 20†

**Gothic No. 3 Duplicate**

5Δ42

**Gothic Condensed No. 4\***

30Δ161\* (Caps)-1, 3, 4W, 5, 6, 10, 12, 13, 16, 17, 19, 20, 22, 23, 24  
42Δ25\* (Caps)-1†, 6, 10, 12, 13, 16, 19, 20, 22, 24

**Gothic No. 5 with Gothic Condensed No. 1**

12Δ90

**Gothic No. 13 with Cheltenham Bold Condensed**

6Δ318, 10Δ266, 12Δ242, 14Δ186, 16Δ38, 24Δ38  
18Δ96-1, 2, 3R, 5DV, 6, 7, 9, 10, 11, 12, 13, 14w, 15, 16, 17LT, 18,  
19, 20, 21, 22, 23W, 24, 25, 26  
24Δ98-1†, 2, 6, 7, 9, 10, 11, 12, 13, 15v, 16, 18, 19, 20, 21, 22T, 24,  
25w, 26

**Gothic No. 13 with DeVlame Condensed**

12Δ102, 14Δ48

**Gothic No. 13 with 12 Point Gothic No. 16**

18Δ96-1, 2, 3, 4QW, 5D, 6, 7, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19,  
20, 21, 22, 23W, 24, 25, 26

**Gothic No. 13 with 14 Point Gothic No. 16**

24Δ100-1†, 2, 6, 7, 9, 10, 11, 12, 13, 15, 16, 18, 19, 20, 21, 22T, 24,  
25w, 26

**Gothic No. 13 with Memphis Extra Bold Condensed**

18Δ120-1, 2, 3R, 4QW, 5D, 6, 7, 9, 10, 11, 12, 13, 14w, 15, 16, 17LT,  
18, 19, 20, 21, 22, 23W, 24, 25, 26  
24Δ120-1†, 2, 6, 7, 9, 10, 11, 12, 13, 15, 16, 18, 19LT, 20, 21, 22T,  
24Q, 25w, 26

**Gothic No. 13\***

12Δ57\*, 14Δ61\*, 16Δ65\*, 24Δ51\*, 30Δ59\*, 36Δ61\*, 48Δ21\*  
18Δ65\*-1, 2, 3, 5D, 6, 7, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20,  
21, 22, 23W, 24, 25, 26  
24Δ51\*-1†, 2, 6, 7, 9, 10, 11, 12, 13, 15, 16, 18, 19, 20, 21, 22T, 24,  
25w, 26  
30Δ59\*-1†, 2, 6, 7, 9, 10, 11, 12, 13, 15d, 16, 18, 19L, 20, 21, 22T,  
24Q, 25w, 26  
36Δ61\*-2mw†, 8, 7, 9, 10, 11mw, 13, 16, 18, 20, 21, 26  
48Δ21\* (Caps)-13, 16†

\* One-letter matrices.      † See note page 57.

**Gothic No. 14\***

18Δ49\*-1, 2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20,  
21, 22, 23, 24, 25, 26  
28Δ1\* (Caps)-1, 3, 4W, 5, 6, 10, 12, 13, 16, 17, 19, 20, 22, 23, 24  
34Δ1\* (Caps)-1, 3X, 5D, 6, 10, 12, 13, 16, 17, 19, 20, 22, 23W, 24  
36Δ3\* (Caps)-1, 6, 10, 12, 13, 16, 19, 20, 22, 24  
42Δ1\* (Caps)-1, 6, 10, 12, 13, 16, 19, 20, 22T, 24S  
48Δ1\* (Caps)-6, 10, 12MW, 13, 16, 19LT, 20, 24QS  
54Δ1\* (Caps)-6, 10, 12MW, 13, 16, 19LT, 20  
60Δ1\* (Caps)-6, 10, 13, 16, 20†

**Gothic No. 16 with Century Bold**

18Δ124-1, 2, 6, 7, 9, 10, 11, 12, 13, 15d, 16, 18, 19L, 20, 21, 22T, 24Q,  
24Δ124-2mw, 6, 7, 9, 10, 11mw, 13, 16, 18, 20, 21, 26

**Gothic No. 16 with Cheltenham Bold**

8Δ320, 10Δ288, 12Δ244, 14Δ198, 18Δ94, 24Δ94  
18Δ34-1, 2, 6, 7, 9, 10, 11, 12, 13, 15d, 16, 18, 19, 20, 21, 22T, 24Q,  
25w, 26  
24Δ34-2mw†, 6, 7, 9Q, 10, 11mw, 13, 16, 18, 20†, 21, 26

**Gothic No. 16 with Title No. 4**

8Δ206, 10Δ156, 12Δ104, 14Δ50

**Gothic No. 16\***

10Δ139\*, 12Δ163\*, 14Δ119\*, 18Δ179\*, 24Δ139\*, 30Δ93\*, 36Δ59\*  
18Δ179\*-1, 2, 6, 7, 9, 10, 11, 12, 13, 15d, 16, 18, 19, 20, 21, 22T,  
24QS, 25w, 26  
24Δ139\*-2mw†, 6, 7, 9, 10, 11mw, 13, 16, 18, 20†, 21, 26  
30Δ93\*-7, 8, 9QX, 13, 16, 18, 21  
36Δ59\*-8, 13, 16, 18

**Gothic No. 18\***

12Δ65\*, 14Δ33\*, 18Δ71\*, 24Δ53\*  
18Δ71\*-1, 2, 3, 4W, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19,  
20, 21, 22, 23W, 24, 25, 26  
24Δ53\*-1, 2, 5DV, 6, 7, 9, 10, 11, 12, 13, 14mw, 15, 16, 18, 19, 20,  
21, 22, 24, 25w, 26

**Gothic No. 29\***

18Δ139\* (Caps)-6, 10, 13, 16, 19LT, 20

**Gothic No. 29\***

18Δ145\* (Caps)-1†, 6, 10, 12, 13, 16, 19, 20, 22, 24

**Gothic No. 30\***

18Δ141\* (Caps)-6, 10, 13, 16, 19LT, 20

**Gothic No. 30\***

18Δ147\* (Caps)-1†, 6, 10, 12, 13, 16, 20, 22, 24

**Gothic No. 31\***

18Δ149\* (Caps)-6, 10, 13, 16, 20

**Gothic No. 38\***

10Δ115\*, 12Δ115\*, 12Δ129\*, 14Δ87\*, 18Δ251\*, 24Δ215\*  
18Δ251\*-2, 6, 7, 9, 10, 1, 3, 5dv, 16, 18, 20, 21, 26  
24Δ215\*-7, 8, 9Q, 11mw, 13, 16, 18, 21, 26s

**Market Gothic\***

6Δ131\*

**GRANJON****Granjon with Italic and Small Caps**

6Δ372, 8Δ396, 9Δ142, 10Δ318, 11Δ102, 12Δ288, 14Δ170

**Granjon\***

18Δ301\*-1, 2, 6, 7, 9, 10, 11, 12, 13, 14w, 15, 16, 17LT, 18, 19, 20,  
21, 22T, 24, 25, 26  
21Δ19\*-1, 2, 6, 7, 9, 10, 11, 12, 13, 14mw, 15, 16, 18, 19, 20, 21, 22T,  
24Q, 25w, 26  
24Δ321\*-2mw, 6, 7, 9, 10, 11mw, 13, 16, 18, 20, 21, 26

\* One-letter matrices.      † See note page 57.

**Granjon Italic\***

18Δ309\*-1, 2, 3, 6, 7, 9, 10, 11, 12, 13, 14w, 15, 16, 17LT, 18, 19, 20, 21,  
22, 24, 25, 26  
21Δ23\*-1†, 2, 3, 6, 7, 9, 10, 11, 12, 13, 14mw, 15, 16, 18, 19, 20, 21,  
22T, 24, 25, 26  
24Δ323\*-2, 3, 6, 7, 9, 10, 11, 13, 15d, 16, 18, 19LT, 20, 21, 25mw, 26

**Granjon with Bold**

6Δ306, 8Δ418, 9Δ176, 10Δ376, 11Δ114, 12Δ316, 14Δ192

**IONIC****Ionic No. 5 with Italic and Small Caps**

5Δ26, 5½Δ44, 6Δ302, 6¾Δ6, 6¾Δ4, 7Δ126, 7½Δ4, 8Δ384, 9Δ116,  
10Δ390, 12Δ320

**Ionic No. 5 with Bold Face No. 2**

5Δ24, 5¾Δ42, 6Δ288, 6¾Δ2, 6¾Δ2, 7Δ122, 7½Δ2, 8Δ382, 9Δ112,  
10Δ392, 12Δ368

**Ionic No. 5 with Gothic No. 18**

5¾Δ64

**Ionic Condensed\***

18Δ287\*-1, 2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 18, 17, 18, 19, 20,  
21, 22, 23, 24, 25, 26  
24-249\*-1, 2, 3R, 5D, 6, 7, 9, 10, 11, 12, 13, 14w, 15, 16, 17LT, 18,  
19, 20, 21, 22, 23W, 24, 25W, 26  
30Δ185\*-1, 2, 3, 6, 7, 9, 10, 11, 12, 13, 15, 16, 18, 19L, 20, 21, 22T, 24,  
25mw, 26  
36Δ99\*-2mw, 3, 7, 9, 10, 11mw, 12MW, 13, 18, 18, 19LT, 20, 21, 26

**JANSON****Janson with Italic and Small Caps**

8Δ496, 9Δ180, 10Δ388, 11Δ118, 12Δ318, 14Δ178

**LATIN CONDENSED****Latin Condensed\***

18Δ37\*-1, 2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20,  
21, 22, 23, 24, 25, 26  
21Δ1\* (Caps)-1, 3, 4W, 5, 6, 10, 12, 13, 16, 17, 19, 20, 22, 23W, 24  
24Δ25\* (Caps)-1, 3R, 5D, 6, 10, 12, 13, 16, 17L, 19, 20, 22, 23W, 24  
30Δ9\* (Caps)-1†, 6, 10, 12, 13, 16, 19, 20, 22T, 24  
36Δ85\* (Caps)-6, 10, 13, 18, 19L, 20

**Latin Extra Condensed\***

30Δ127\* (Caps)-1, 3, 5D, 6, 10, 12, 13, 18, 17, 19, 20, 22, 23W, 24

**LINING FACES**

See pages 58 and 59.

**LINO TEXT****Lino Text\***

8Δ151\*, 10Δ125\*, 12Δ109\*, 14Δ95\*, 18Δ285\*, 24Δ417\*, 36Δ185\*  
18Δ285\*-1, 2, 3, 6, 7, 9, 10, 11, 12, 13, 14, 15, 16, 18, 19L, 20, 21, 24S,  
25, 26  
24Δ417\*-2, 3, 6, 7, 9, 10, 11, 13, 14mw, 15, 18, 18, 20, 21, 25w, 28  
36Δ185\*-2mw, 7, 9QXZ, 11mw, 13, 16, 18, 21, 26s

**MARKET GOTHIC****Market Gothic\***

6Δ181\*

**MEMPHIS****Memphis Light with Bold**

8Δ322, 8Δ442, 8¾Δ4, 9Δ140, 10Δ396, 12Δ378, 14Δ200, 18Δ16  
18Δ16-1, 3, 6, 7, 9, 10, 11, 12, 13, 15v, 16, 18, 19, 20, 21, 22O, 24Q,  
25mw, 26

**Memphis Light with Italic and Small Caps**

6Δ368, 8Δ450, 10Δ414, 12Δ390, 14Δ208

\* One-letter matrices.

**Memphis Light\***

18Δ347\*-1, 2, 8, 7, 9, 10, 11, 12, 13, 15v, 16, 18, 19, 20, 21, 22O,  
24Q, 25w, 28  
24Δ301\*-8, 7, 9Q, 11mw, 13, 16, 18, 20, 21, 28  
30Δ223\*-7, 8, 9QX, 13, 16, 18, 21  
36Δ127\*-13Q, 16, 18

**Memphis Medium with Bold**

6Δ418, 8Δ488, 10Δ454, 12Δ488, 14Δ240

**Memphis Medium with Italic and Small Caps**

6Δ326, 8Δ456, 9Δ146, 10Δ418, 12Δ398, 14Δ212, 18Δ28, 24Δ28  
18Δ28-1, 2, 6, 7, 9, 10, 11, 12, 13, 15v, 18, 19, 20, 21, 22O, 24Q,  
25mw, 28  
24Δ28-8, 7, 9Q, 11mw, 13, 16, 18, 21, 26

**Memphis Medium\***

18Δ379\*-1, 2, 8, 7, 9, 10, 11, 12, 13, 15v, 18, 19, 20, 21, 22O,  
24Q, 25mw, 28  
24Δ349\*-8, 7, 9Q, 11mw, 13, 18, 18, 21, 28  
30Δ271\*-7, 8, 9QX, 13Q, 16, 18, 21  
38Δ169\*-13QX, 16, 18

**Memphis Medium Italic\***

18Δ381\*-1, 2, 8, 7, 9, 10, 11, 12, 13, 15v, 16, 18, 19, 20, 21, 22O,  
24Q, 25mw, 28  
24Δ385\*-8, 7, 9Q, 11mw, 13, 18, 18, 21, 26  
30Δ293\*-7m, 8, 9mQX, 13Q, 16, 18, 21m

**Memphis Bold with Light**

18Δ48-1, 2, 6, 7, 9, 10, 11, 12, 13, 15v, 16, 18, 19, 20, 21, 22O, 24Q,  
25mw, 28  
24Δ48-6, 7, 9Q, 11mw, 13, 16, 18, 21, 26

**Memphis Bold with Italic**

8Δ364-8Δ448, 9Δ148, 10Δ412, 12Δ388, 14Δ206, 18Δ20, 24Δ20  
18Δ20-1, 2, 6, 7, 9, 10, 11, 12, 13, 15v, 16, 18, 19, 20, 21, 22O, 24Q,  
25mw, 28  
24Δ20-8, 7, 9Q, 11mw, 13, 16, 18, 21, 28

**Memphis Bold with Medium**

18Δ64-1, 2, 8, 7, 9, 10, 11, 12, 13, 15v, 18, 19, 20, 21, 22O, 24Q,  
25mw, 28  
24Δ64-6, 7, 9Q, 11mw, 13, 16, 18, 21, 26

**Memphis Bold\***

18Δ349\*-1, 2, 6, 7, 9, 10, 11, 12, 13, 15v, 18, 18, 19, 20, 21, 22O,  
24Q, 25mw, 28  
24Δ303\*-8, 7, 9Q, 11mw, 13, 18, 18, 21, 28  
30Δ225\*-7, 8, 9QX, 13, 18, 18, 21  
38Δ129\*-13QX, 16, 18

**Memphis Bold Italic\***

18Δ447\*-1, 2, 8, 7, 9, 10, 11, 12, 13, 15v, 16, 18, 19, 20, 21, 22O,  
24Q, 25mw, 28  
30Δ307\*-7m, 8, 9mQX, 13Q, 18, 18, 21m

**Memphis Extra Bold with Italic**

8Δ508, 10Δ444, 12Δ458, 14Δ284, 18Δ52  
18Δ52-2, 6, 7, 9, 10, 11, 12MW, 13, 15dv, 18, 18, 19LT, 20, 21, 26

**Memphis Extra Bold with Gothic No. 16**

8Δ564, 10Δ528, 12Δ532, 14Δ290, 18Δ112, 24Δ112  
18Δ112-2, 8, 7, 9, 10, 11, 12MW, 13, 16, 18, 19LT, 20, 21, 26  
24Δ112-7, 8, 9QX, 11mw, 13, 16, 18, 21

**Memphis Extra Bold\***

18Δ357\*-2, 8, 7, 9, 10, 11, 12MW, 13, 15dv, 16, 18, 19LT, 20, 21, 28  
24Δ333\*-7, 8, 9QX, 13, 16, 18, 21  
30Δ277\*-7, 13, 16, 18

**Memphis Extra Bold\* (Normal Position)**

24Δ389\*-7, 8, 9QX, 13, 16, 18, 21

\* One-letter matrices.

*Useful Matrix Information*

**Memphis Medium Condensed with Bold Condensed**  
10Δ488, 12Δ480, 14Δ260

**Memphis Medium Condensed with Extra Bold Condensed**  
8Δ554, 10Δ494, 12Δ502, 14Δ268

**Memphis Medium Condensed\***

18Δ409\*-1, 2, 3R, 5D, 6, 7, 9, 10, 11, 12, 13, 14w, 15, 16, 17LT, 18,  
19, 20, 21, 22, 23W, 24, 25w, 26

24Δ365\*-1, 2, 6, 7, 8, 10, 11, 12, 13, 15, 16, 18, 19LT, 20, 21, 22LT,  
24Q, 25w, 26

30Δ289\*-2mw, 6, 7, 9, 10, 11mw, 13, 16, 18, 20, 21, 26

36Δ165\*-8, 7, 9, 11mw, 13, 16, 18, 21, 26k

**Memphis Bold Condensed\***

18Δ407\*-1, 2, 3R, 5D, 6, 7, 9, 10, 11, 12, 13, 14w, 15, 16, 17LT, 18,  
19, 20, 21, 22, 23W, 24, 25w, 26

24Δ363\*-1, 2, 8, 7, 9, 10, 11, 12, 13, 15, 16, 18, 19LT, 20, 21, 22LT,  
24Q, 25w, 26

30Δ287\*-2mw, 6, 7, 9, 10, 11mw, 13, 16, 18, 20, 21, 26

36Δ163\*-6, 7, 9, 11mw, 13, 16, 18, 21, 26k

**Memphis Bold Condensed with Medium Condensed**

18Δ68-1, 2, 3R, 5D, 6, 7, 9, 10, 11, 12, 13, 14w, 15, 16, 17LT, 18, 19,  
20, 21, 22, 23W, 24, 25w, 26

24Δ68-1, 2, 6, 7, 9, 10, 11, 12, 13, 15, 16, 18, 19LT, 20, 21, 22LT,  
24Q, 25w, 26

**Memphis Extra Bold Condensed with Medium Condensed**

18Δ70-1, 2, 3R, 5D, 6, 7, 9, 10, 11, 12, 13, 14w, 15, 16, 17LT, 18, 19,  
20, 21, 22, 23W, 24, 25w, 26

24Δ70-1, 2, 6, 7, 9, 10, 11, 12, 13, 15, 16, 18, 19LT, 20, 21, 22LT,  
24Q, 25w, 26

**Memphis Extra Bold Condensed with Gothic No. 13**

8Δ562, 10Δ520, 12Δ530, 14Δ288, 18Δ110, 24Δ110

18Δ110-1, 2, 3R, 4QW, 5D, 6, 7, 9, 10, 11, 12, 13, 14w, 15, 16, 17LT,  
18, 19, 20, 21, 22, 23w, 24, 25, 26

24Δ110-1, 2, 8, 7, 9, 10, 11, 12, 13, 15, 16, 18, 19LT, 20, 21, 22T,  
24Q, 25w, 26

**Memphis Extra Bold Condensed with Bodoni Bold Cond.**

30Δ59 (Caps)-6, 10, 13, 16, 20

**Memphis Extra Bold Condensed\***

18Δ411\*-1, 2, 3R, 5D, 6, 7, 9, 10, 11, 12, 13, 14w, 15, 16, 17LT, 18,  
19, 20, 21, 22, 23W, 24, 25w, 26

24Δ367\*-1, 2, 8, 7, 9, 10, 11, 12, 13, 15, 16, 18, 19LT, 20, 21, 22LT,  
24Q, 25w, 26

30Δ291\*-2mw, 6, 7, 9, 10, 11mw, 13, 16, 18, 20, 21, 26

36Δ167\*-6, 7, 9, 11mw, 13, 16, 18, 21, 26k

## METRO

**Metrolite No. 2 with Metroblack No. 2**

8Δ442, 8Δ520, 10Δ482, 12Δ492, 14Δ258, 18Δ74

18Δ74-1, 2, 6, 7, 9, 10, 11, 12, 13, 15d, 16, 18, 19, 20, 21, 22T, 24Q,  
25mw, 26

**Metrolite No. 2 with Italic**

6Δ436, 8Δ516, 10Δ478, 12Δ478, 14Δ256, 18Δ50, 24Δ50

18Δ50-1, 2, 6, 7, 9, 10, 11, 12, 13, 15d, 16, 18, 19, 20, 21, 22T, 24Q,  
25mw, 26

24Δ50-2mw, 6, 7, 9, 10, 11mw, 13, 16, 18, 20, 21, 26

**Metrolite No. 2\***

18Δ331\*-1, 2, 8, 7, 9, 10, 11, 12, 13, 15d, 16, 18, 19, 20, 21, 22T, 24Q,  
25mw, 26

24Δ283\*-2mw, 6, 7, 9, 10, 11mw, 13, 16, 18, 20, 21, 26

30Δ211\*-7, 8, 9QXZ, 13, 16, 18, 21

36Δ117\*-13QX, 16, 18

\* One-letter matrices.

**Metrolicite\***

18Δ235\*-1, 2, 6, 7, 9, 10, 11, 12, 13, 15d, 16, 18, 19, 20, 21, 22T, 24Q,  
25mw, 26  
24Δ269\*-2mw, 6, 7, 9, 10, 11mw, 13, 18, 18, 20, 21, 26  
30Δ197\*-7, 8, 9QXZ, 13, 16, 18, 21  
36Δ105\*-13QX, 16, 18

**Metrolicite No. 4 Italic\***

24Δ327\*-2, 6, 7, 9, 10, 11, 13, 15dv, 16, 18, 19T, 20, 21, 25mw, 26  
30Δ247\*-2mw, 6, 7, 9Q, 11mw, 13, 16, 18, 21, 26

**Metromedium No. 2 with Metrothin No. 2**

6Δ312, 8Δ428, 10Δ384, 12Δ366, 14Δ198, 18Δ8, 24Δ8  
18Δ8-1, 2, 6, 7, 9, 10, 11, 12, 13, 14mw, 15, 18, 18, 19, 20, 21, 22T,  
24, 25, 26  
24Δ6-2m, 6, 7, 9, 10, 11m, 13, 16, 18, 20, 21, 28

**Metromedium with Metrothin**

8Δ300, 8Δ414, 10Δ370, 12Δ308, 14Δ186

**Metrothin No. 2\***

18Δ335\*-1, 2, 6, 7, 9, 10, 11, 12, 13, 14mw, 15, 18, 18, 19, 20, 21, 22T,  
24, 25, 26  
24Δ287\*-2m, 6, 7, 9, 10, 11m, 13, 16, 18, 20, 21, 28  
30Δ215\*-6, 7, 9QX, 11mw, 13, 16, 18, 21, 28  
36Δ121\*-7, 8, 9QXZ, 13Q, 16, 18, 21

**Metrothin\***

18Δ259\*-1, 2, 6, 7, 9, 10, 11, 12, 13, 14mw, 15, 16, 18, 19, 20, 21, 22T,  
24, 25, 26  
24Δ275\*-2m, 6, 7, 9, 10, 11m, 13, 18, 18, 20, 21, 28  
30Δ205\*-8, 7, 9QX, 11mw, 13, 18, 18, 21, 28  
36Δ111\*-7, 8, 9QXZ, 13Q, 18, 18, 21

**Metrothin No. 4 Italic\***

24Δ325\*-2m, 6, 7, 9, 10, 11m, 13, 18, 18, 20, 21, 26  
30Δ249\*-6, 7, 9QX, 11mw, 13, 16, 18, 21, 28

**Metromedium No. 2 with Italic**

8Δ382, 8Δ494, 10Δ482, 12Δ464, 14Δ246, 18Δ54, 24Δ54  
18Δ54-1, 2, 6, 7, 9, 10, 11, 12, 13, 14mw, 15, 18, 18, 19, 20, 21, 22T,  
24, 25, 26  
24Δ54-2m, 6, 7, 9, 10, 11m, 13, 18, 18, 20, 21, 26

**Metromedium No. 2\***

18Δ333\*-1, 2, 6, 7, 9, 10, 11, 12, 13, 14mw, 15, 16, 18, 19, 20, 21, 22T,  
24, 25, 26  
24Δ285\*-2m, 6, 7, 9, 10, 11m, 13, 16, 18, 20, 21, 28  
30Δ213\*-6, 7, 9QX, 11mw, 13, 16, 18, 21, 28  
36Δ119\*-7, 8, 9QXZ, 13Q, 16, 18, 21

**Metromedium\***

18Δ257\*-1, 2, 6, 7, 9, 10, 11, 12, 13, 14mw, 15, 18, 18, 19, 20, 21, 22T,  
24, 25, 26  
24Δ205\*-2m, 6, 7, 9, 10, 11m, 13, 18, 18, 20, 21, 26  
30Δ203\*-6, 7, 9QX, 11mw, 13, 16, 18, 21, 26  
36Δ109\*-7, 8, 9QXZ, 13Q, 16, 18, 21

**Metromedium No. 2 Italic\***

18Δ423\*-1, 2, 6, 7, 9, 10, 11, 12, 13, 14mw, 15, 16, 18, 19, 20, 21, 22T,  
24, 25, 26  
24Δ371\*-2m, 6, 7, 9, 10, 11m, 13, 18, 18, 20, 21, 26  
30Δ309\*-2mw, 6, 7, 9QX, 11mw, 13, 18, 18, 21, 26  
36Δ183\*-7m, 6, 8mpQXZ, 13Q, 18, 18, 21m

**Metroblack No. 2 with Metrolicite No. 2**

6Δ310, 8Δ426, 10Δ382, 12Δ364, 14Δ198, 18Δ8, 24Δ8  
18Δ8-1, 2, 6, 7, 9, 10, 11, 12, 13, 15d, 16, 18, 19, 20, 21, 22T, 24Q,  
25mw, 26  
24Δ8-2mw, 6, 7, 9, 10, 11mw, 13, 18, 18, 20, 21, 26

**Metroblack with Metrolicite**

6Δ298, 8Δ410, 10Δ384, 12Δ302, 14Δ180

\* One-letter matrices.      § See note page 57.

**Metroblack No. 2 with Italic**

6Δ434, 8Δ512, 10Δ478, 12Δ476, 14Δ250, 18Δ46, 24Δ46  
18Δ46-1, 2, 6, 7, 9, 10, 11, 12, 13, 15Δ, 18, 19, 20, 21, 22T, 24Q,  
25mw, 28  
24Δ48-2mw, 8, 7, 9, 10, 11mw, 13, 18, 18, 20, 21, 26

**Metroblack No. 2\***

18Δ329\*-1, 2, 6, 7, 9, 10, 11, 12, 13, 15Δ, 16, 18, 19, 20, 21, 22T, 24Q,  
25mw, 28  
24Δ281\*-2mw, 6, 7, 9, 10, 11mw, 13, 16, 18, 20, 21, 26  
30Δ209\*-7, 8, 9QXZ, 13, 16, 18, 21  
36Δ115\*-13QX, 16, 18  
42Δ67\* (Caps)-P

**Metroblack\***

18Δ321\*-1, 2, 6, 7, 9, 10, 11, 12, 13, 15Δ, 16, 18, 19, 20, 21, 22T, 24Q,  
25mw, 28  
24Δ287\*-2mw, 6, 7, 9, 10, 11mw, 13, 16, 18, 20, 21, 26  
30Δ193\*-7, 8, 9QXZ, 13, 16, 18, 21  
35Δ103\*-13QX, 16, 18

**NARCISS**

**Narciss\***

10Δ123\*, 12Δ127\*, 14Δ85\*, 18Δ249\*, 21Δ7\*, 24Δ211\*, 30Δ159\*,  
36Δ89\*  
18Δ249\*-1, 2, 6, 7, 9, 10, 11, 12, 13, 14mw, 15, 16, 18, 19, 20, 21,  
22, 24, 25w, 28  
21Δ7\*-2mw, 8, 7, 9, 10, 11, 13, 16, 18, 19LT, 20, 21, 25mw, 26  
24Δ211\*-2mw, 6, 7, 9QX, 11mw, 13, 16, 18, 21, 26  
30Δ159\*-7, 8, 9QX, 13, 18, 18, 21  
36Δ89\*-8, 13QX, 18, 18

**Narciss\* (Normal Position)**

21Δ25\*-2mw, 8, 7, 9, 10, 11, 13, 18, 18, 19LT, 20, 21, 25mw, 26

**NO. 1**

**No. 1 with Italic and Small Caps**

5%Δ4, 8Δ2, 7Δ4, 8Δ98, 9Δ44, 10Δ10, 11Δ3, 12Δ2

**NO. 2**

**No. 2 with Antique No. 2**

6Δ50

**No. 2B with Bold Face No. 2B**

5%Δ38

**No. 2 with Bold Face No. 1**

6Δ70, 7Δ2, 8Δ8

**No. 2 with Bold Face No. 2**

5%Δ2, 8Δ186, 7Δ86

**No. 2 with Condensed Title No. 3**

7Δ62, 8Δ6, 10Δ114

**No. 2 with Italic and Small Caps**

6Δ4, 7Δ48

**No. 2 with Gothic No. 3**

6Δ6, 7Δ30, 8Δ70, 10Δ162

**NO. 6**

**No. 6 with Gothic No. 16**

4%Δ2

**NO. 18**

**No. 18 with Italic and Small Caps**

8Δ82, 7Δ8, 8Δ54, 9Δ12, 10Δ48, 12Δ40, 14Δ14

**No. 16 with Century Bold**

8Δ110, 7Δ50, 8Δ128, 9Δ56, 10Δ116, 12Δ70, 14Δ36

**NO. 21**

**No. 21 with Italic and Small Caps**

6Δ150, 7Δ86, 8Δ214, 9Δ80, 10Δ188, 11Δ56, 12Δ262

**OLD STYLE NO. 1**

**Old Style No. 1 with Italic and Small Caps**

5Δ80, 6Δ8, 7Δ14, 8Δ30, 9Δ2, 10Δ6, 11Δ4, 12Δ4, 14Δ76

**Old Style No. 1 with Antique No. 1**

8Δ14, 7Δ48, 8Δ50, 9Δ48, 10Δ44, 11Δ22, 12Δ28, 14Δ24

\* One-letter matrices.



Old Style No. 1 with Cheltenham Bold  
5Δ80, 6Δ124, 8Δ218, 10Δ158, 12Δ126

Old Style No. 1 with Title No. 1  
6Δ90, 8Δ134, 10Δ120

Old Style No. 1 with Title No. 2  
8Δ196

#### OLD STYLE NO. 3

Old Style No. 3 with Italic and Small Caps  
6Δ102, 8Δ116, 10Δ98, 12Δ96

#### OLD STYLE NO. 7

Old Style No. 7 with Italic and Small Caps  
6Δ184, 7Δ98, 8Δ212, 9Δ62, 10Δ184, 10½Δ2, 11Δ58, 12Δ180, 14Δ120

Old Style No. 7\*  
18Δ193\*-1, 2, 6, 7, 9, 10, 11, 12, 13, 15, 16, 18, 19, 20, 21, 22T, 24,  
25w, 26  
24Δ79\*-2mw½, 6, 7, 9, 10, 11mw, 13, 16, 18, 20, 21, 26

#### OPTICON

Opticon with Italic and Small Caps  
6Δ424, 7Δ180, 7½Δ18, 8Δ496, 10Δ468, 11Δ134

Opticon with Bold Face No. 2  
5½Δ60, 6Δ420, 7Δ166, 7½Δ10, 8Δ482, 9Δ162, 10Δ470, 11Δ138,  
12Δ474

Opticon with Gothic No. 16  
6Δ458

Opticon with Memphis Bold  
7Δ204, 8Δ550, 10Δ538, 12Δ550

#### ORIGINAL OLD STYLE

Original Old Style with Italic and Small Caps  
6Δ86, 8Δ138, 10Δ4, 12Δ6, 14Δ2

#### OUTLINE FACES

Condensed Outline\*  
10Δ101\*, 12Δ69\*, 18Δ75\*, 24Δ99\*, 30Δ53\*  
18Δ75\*-1, 2, 3, 4QW, 5, 6, 7, 9, 10, 11, 12, 13, 14w, 15, 16, 17L, 18,  
19, 20, 21, 22, 23W, 24, 25, 26  
24Δ99\*-1, 2, 6, 7, 9, 10, 11, 12, 13, 15d, 16, 18, 19L, 20, 21, 22T, 24,  
25w, 26  
30Δ53\* (Caps)-1½, 6, 10, 12, 13, 16, 19L, 20, 22T, 24Q

DeVenne Outline with Bold Face No. 6  
10Δ276, 12Δ122, 14Δ80

DeVenne Outline with Italic  
12Δ108, 14Δ52

DeVenne Outline\*  
18Δ183\*-1, 2, 6, 7, 9, 10, 11, 12, 13, 15, 16, 18, 19L, 20, 21, 22T, 24Q,\*  
25mw, 26  
24Δ141\*-2mw½, 6, 7, 9, 10, 11mw, 13, 16, 18, 20, 21, 26  
30Δ289\*-7m, 8, 9mQX, 13, 16, 18, 21m  
36Δ159\*-10Q, 16, 18

Gothic Condensed Outline\*  
12Δ125\*, 18Δ247\*  
18Δ247\* (Caps)-1½, 6, 10, 12, 13, 16, 19, 20, 22T, 23W, 24

#### PABST

Pabst Extra Bold with Italic  
10Δ320, 12Δ292, 14Δ172, 18Δ42  
18Δ42-2mw, 6, 7, 9, 10, 11mw, 13, 16, 18, 20, 21, 26

\* One-letter matrices.      § See note page 57.

**Pabst Extra Bold\***

18Δ305\*-2mw, 6, 7, 9, 10, 11m, 13, 18, 16, 20, 21, 26  
24Δ259\*-7, 8, 9QX, 13, 16, 18, 21m

**Pabst Extra Bold\* (Normal Position)**

24Δ379\*-7, 8, 9QX, 13, 16, 18, 21m

**Pabst Extra Bold Condensed with Italic**

10Δ410, 12Δ382, 14Δ204, 18Δ72, 24Δ72  
18Δ72-1, 2, 6, 7, 9, 10, 11, 12, 13, 14qw, 15, 16, 18, 19, 20, 21, 22T,  
24, 25w, 26  
24Δ72-2, 6, 7, 9, 10, 11, 13, 16, 18, 20, 21, 26

**Pabst Extra Bold Condensed with 14 Point Gothic No. 16**

16Δ78-1, 2, 6, 7, 9, 10, 11, 12, 13, 15, 16, 18, 19, 20, 21, 22T, 24,  
25w, 26

**Pabst Extra Bold Condensed\***

18Δ327\*-1, 2, 6, 7, 9, 10, 11, 12, 13, 14qw, 15, 16, 18, 19, 20, 21,  
22T, 24, 25w, 26  
24Δ279\*-2, 6, 7, 9, 10, 11, 13, 15dv, 16, 18, 20, 21, 26  
30Δ207\*-6, 7, 9QX, 11mw, 13, 16, 18, 21, 26k  
36Δ125\*-7, 8, 9QXZ, 13, 16, 18, 21m  
42Δ61\*-13QX, 18  
46Δ11\* (Caps)-13

**Pabst Extra Bold Condensed No. 1\***

46Δ13\* (Caps)-13

**PARAGON**

**Paragon with Italic and Small Caps**

6Δ390, 7Δ164, 7½Δ20, 8Δ464, 9Δ156, 10Δ448

**Paragon with Bold**

5½Δ66, 6Δ388, 7Δ162, 7½Δ18, 8Δ462, 9Δ156, 10Δ450

**POSTER BODONI**

**Poster Bodoni with Italic**

8Δ412, 10Δ328, 12Δ298, 14Δ174, 16Δ29, 24Δ28  
18Δ26-2mw, 6, 7, 9, 10, 11mw, 13, 16, 18, 20, 21, 26  
24Δ26-7, 8, 9QX, 10, 16, 18, 21m

**Poster Bodoni\***

18Δ309\*-2mw, 6, 7, 9, 10, 11mw, 13, 16, 18, 20, 21, 26  
24Δ257\*-7, 8, 9QX, 13, 16, 18, 21m  
30Δ79\*-13QX, 18  
36Δ123\*-13qx (Caps p6)

**Poster Bodoni Italic\***

16Δ313\*-2mw, 6, 7, 9, 10, 11mw, 13, 16, 18, 20, 21, 26

**Poster Bodoni Compressed\***

18Δ427\*-1, 2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20,  
21, 22, 23, 24, 25, 26  
24Δ391\*-1, 2, 3OR, 4QW, 5DR, 6, 7, 9, 10, 11, 12, 13, 14w, 15, 16,  
18, 19, 20, 21, 22, 23W, 24, 25w, 26  
30Δ293\*-1, 2, 6, 7, 9, 10, 11, 12, 13, 15d, 16, 18, 19LT, 20, 21, 22T,  
24, 25w, 26  
36Δ171\*-2, 6, 7, 9, 10, 11, 12W, 13, 15dv, 16, 18, 20, 21, 24Q, 26

**RYERSON CONDENSED**

**Ryerson Condensed\***

16Δ429\*-1, 2, 3, 4W, 5, 6, 7, 9, 10, 11, 12, 13, 14w, 15, 16, 17, 18, 19,  
20, 21, 22, 23W, 24, 25, 26  
24Δ395\*-1, 2, 5DV, 6, 7, 9, 10, 11, 12, 13, 14mw, 15, 16, 17LT, 18,  
19, 20, 21, 22, 24, 25w, 26  
30Δ301\*-1, 2, 6, 7, 9, 10, 11, 12, 13, 15dv, 16, 18, 19, 20, 21, 22T,  
24Q, 25mw, 26  
36Δ141\*-2mw, 6, 7, 9, 10, 11mw, 12MW, 13, 16, 18, 19T, 20, 21, 26

\* One-letter matrices.

# SCOTCH

## Scotch with Italic and Small Caps

6Δ96, 8Δ42, 10Δ36, 11Δ10, 11½Δ2, 12Δ10, 14Δ142

## Scotch\*

18Δ195\*-2, 8, 7, 9, 10, 11, 13, 15, 18, 18, 20, 21, 25mw, 28

24Δ171\*-2mw, 7, 8, 9QXZ, 11mw, 13, 18, 18, 21, 26

30Δ107\*-7m, 8, 9mQXZ, 13QX, 18, 18, 21m

## Scotch Italic\*

18Δ197\*-2, 6, 7, 9, 10, 11, 13, 15½, 16, 18, 20, 21, 25w, 26

## Scotch No. 2 with Italic and Small Caps

8Δ418, 9Δ126, 10Δ374, 11Δ110, 12Δ374

# SPARTAN

## Spartan Light with Medium

8Δ488, 8Δ548, 9Δ200, 10Δ502, 12Δ514, 14Δ274

## Spartan Medium with Italic

6Δ480, 8Δ528, 9Δ98, 10Δ488, 12Δ496, 14Δ262, 18Δ106, 24Δ106

18Δ106-1, 2, 8, 7, 9, 10, 11, 12, 13, 15, 16, 17A, 18, 19, 20, 21, 22,

24, 25w, 26

24Δ106-2mw, 8, 7, 9, 10, 11mw, 13, 18, 18, 19, 20, 21, 26

## Spartan Medium with Heavy

6Δ452, 8Δ558, 10Δ512, 12Δ518, 14Δ284

## Spartan Medium\*

18Δ435\*-1, 2, 6, 7, 9, 10, 11, 12, 13, 15, 18, 17A, 18, 19, 20, 21, 22,

24, 25w, 26

24Δ369\*-2mw, 6, 7, 9, 10, 11mw, 13, 18, 18, 19, 20, 21, 26

30Δ311\*-6, 7, 9, 10, 11mw, 13, 18, 18, 20, 21, 28

## Spartan Medium Italic\*

18Δ458\*-1, 2, 6, 7, 9, 10, 11, 12, 13, 15, 16, 17A, 18, 19, 20, 21, 22,

24, 25w, 26

30Δ319\*-8, 7, 9, 10, 11mw, 13, 18, 18, 20, 21, 26

## Spartan Heavy with Italic

8Δ484, 8Δ530, 9Δ96, 10Δ490, 12Δ498, 14Δ284, 18Δ102, 24Δ102

18Δ102-1, 2, 8, 7, 9, 10, 11, 12, 13, 15, 16, 17A, 18, 19, 20, 21, 22, 24,

25w, 26

24Δ102-2mw, 6, 7, 9, 10, 11mw, 13, 18, 18, 19, 20, 21, 26

## Spartan Heavy with Medium

18Δ104-1, 2, 6, 7, 9, 10, 11, 12, 13, 15, 16, 17A, 18, 19, 20, 21, 22, 24,

25w, 26

24Δ104-2mw, 8, 7, 9, 10, 11mw, 13, 18, 18, 19, 20, 21, 26

## Spartan Heavy\*

18Δ439\*-1, 2, 8, 7, 9, 10, 11, 12, 13, 15, 18, 17A, 18, 19, 20, 21, 22,

24, 25w, 26

24Δ397\*-2mw, 6, 7, 9, 10, 11mw, 13, 18, 18, 19, 20, 21, 26

## Spartan Black with Italic

8Δ454, 8Δ532, 9Δ198, 10Δ492, 12Δ500, 14Δ268, 18Δ108, 24Δ108

18Δ108-1, 2, 8, 7, 9, 10, 11, 12, 13, 15d, 16, 18, 19, 20, 21, 22O, 24,

25mw, 28

24Δ108-2mw, 6, 7, 9, 10, 11mw, 13, 16, 18, 19LZ, 20, 21, 28

## Spartan Black\*

18Δ451\*-1, 2, 6, 7, 9, 10, 11, 12, 13, 15d, 18, 18, 19, 20, 21, 22O, 24,

25mw, 28

## Spartan Black Italic\*

18Δ457\*-1, 2, 6, 7, 9, 10, 11, 12, 13, 15d, 16, 18, 19, 20, 21, 22O, 24,

25mw, 26

24Δ415\*-2mw, 8, 7, 9, 10, 11mw, 13, 16, 18, 19LZ, 20, 21, 28

\* One-letter matrices.

Useful Matrix Information

**Spartan Black Condensed with Italic**

10Δ584, 12Δ548, 14Δ292, 18Δ114, 24Δ114  
18Δ114-1, 2, 3, 4W, 5, 6, 7, 9, 10, 11, 12, 13, 14w, 15, 16, 17, 18, 19,  
20, 21, 22, 23W, 24, 25, 26  
24Δ114-1, 2, 6, 7, 9, 10, 11, 12, 13, 14mw, 15, 16, 17T, 18, 19, 20,  
21, 22, 24, 25w, 26

**Spartan Black Condensed\***

30Δ171\*-2mw, 6, 7, 9, 10, 11mw, 12MW, 13, 16, 18, 19, 20, 21, 26  
36Δ11\*-2mw, 6, 7, 9, 10, 11mw, 13, 16, 18, 20, 21, 26

**Spartan Black Condensed with Medium Condensed**

14Δ294, 18Δ116, 24Δ116  
18Δ116-1, 2, 3, 4W, 5, 6, 7, 9, 10, 11, 12, 13, 14w, 15, 16, 17, 18, 19,  
20, 21, 22, 23W, 24, 25, 26  
24Δ116-1, 2, 5DV, 6, 7, 9, 10, 11, 12, 13, 14mw, 15, 16, 17T, 18, 19,  
20, 21, 22, 24, 25w, 26

**Spartan Black Condensed with 14 Point Spartan Heavy**

18Δ122-1, 2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20,  
21, 22, 23W, 24, 25, 26

**Spartan Black Condensed with 18 Point Spartan Heavy**

24Δ122-1, 2, 6, 7, 9, 10, 11, 12, 13, 14mw, 15, 16, 17AT, 18, 19, 20,  
21, 22, 24, 25w, 26

**SPARTAN DUPLICATE**

**Spartan Duplicate**

\* 6Δ470, 8Δ552, 9Δ106, 10Δ506

**Condensed Spartan Duplicate**

5Δ44

**TEXTYPE**

**Textype with Italic and Small Caps**

6Δ304, 7Δ132, 8Δ396, 9Δ122, 10Δ324, 11Δ160, 12Δ324, 14Δ220,  
18Δ30  
18Δ30-1, 2, 6, 7, 9, 10, 11, 12, 13, 14mw, 15, 16, 18, 19L, 20, 21, 22T,  
24, 25w, 26

**Textype with Bold Face No. 2**

6Δ296, 7Δ130, 8Δ394, 9Δ118, 10Δ322, 12Δ310, 14Δ194

**Textype Bold with Italic**

6Δ478, 7Δ198, 8Δ540, 9Δ178, 10Δ506, 11Δ162

**VULCAN**

**Vulcan Bold with Italic**

10Δ360, 12Δ300, 14Δ176

**Vulcan Bold\***

18Δ311\*-2mw, 6, 7, 9, 10, 11mw, 13, 16, 18, 20, 21, 26  
21Δ21\*-2mw, 6, 7, 9Q, 11mw, 13, 16, 18, 21, 26

**Vulcan Bold Italic\***

18Δ317\*-2mw, 6, 7, 9, 10, 11mw, 13, 16, 18, 20, 21, 26

\* One-letter matrices.

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**LINOTYPE FAMILIES**

**Code Symbols Showing Where Faces Will Run**

The following code numbers refer to the pages listing Linotype Families (pages 36 to 56). They indicate the magazines in which display faces will run.

While there are 26 code numbers required to give the complete information on the different magazines and combination of magazines in which display faces will run, there are only four numbers to look for when display faces are to run regular in the main magazines of any Linotype model.

Take an example: If the display face will run regular in the standard 90-channel magazine, it is indicated by the code symbol 1; if the display face will run regular in the standard 72-channel magazine, code symbol 6 is used. Similarly code symbol 16 is used for running regular in the wide-standard 72-channel magazine and code symbol 20 is used for the wide-standard 90-channel magazine. Any letter after a code number indicates the character is too large to run.

#### CODE SYMBOLS

- 1-90-Channel.
- 2-90-Channel. Lower case in cap channels.
- 3-90-Channel. Caps in lower case channels.
- 4-90-Channel. Caps in center channels of Diagram 6. (Regular Cap Layout.)
- 5-90-Channel. Caps in center channels of Diagram 22. (Regular Small Cap Layout.)
- 6-72-Channel.
- 7-72-Channel. Lower case in cap channels.
- 8-55-Channel.
- 9-34-Channel auxiliary. Lower case and Q, X, Z will run (Dia. 52A).
- 10-34-Channel auxiliary. Caps will run (Dia. 52-Q, X, Z pi).
- 11-28-Channel auxiliary. Lower case will run.
- 12-28-Channel auxiliary. Caps will run.
- 13-Wide 34-Channel auxiliary. Caps will run (Dia. 52-Q, X, Z pi). Lower case and Q, X, Z will run (Dia. 52A).
- 14-90-Channel. Lower case in center channels of Dia. 6. (Regular Cap Layout.)
- 15-90-Channel. Lower case in center channels of Dia. 22. (Regular Small Cap Layout.)
- 16-Wide-Standard 72-Channel.
- 17-72-Channel. Caps in lower case channels.
- 18-Wide-Standard 72-Channel. Lower case in cap channels.
- 19-Wide-Standard 72-Channel. Caps in lower case channels.
- 20-Wide-Standard 90-Channel.
- 21-Wide-Standard 90-Channel. Lower case in cap channels.
- 22-Wide-Standard 90-Channel. Caps in lower case channels.
- 23-Wide-Standard 90-Channel. Caps in center channels of Diagram 6. (Regular Cap Layout.)
- 24-Wide-Standard 90-Channel. Caps in center channels of Diagram 22. (Regular Small Cap Layout.)
- 25-Wide-Standard 90-Channel. Lower case in center channels of Diagram 6. (Regular Cap Layout.)
- 26-Wide-Standard 90-Channel. Lower case in center channels of Diagram 22. (Regular Small Cap Layout.)
- †-Indicates figures too large to run in regular channels.
- ‡-These characters can, in emergency cases, be furnished on reduced width to run in cap channels with balance of lower case.

# LINING FACES AND WHERE THEY WILL RUN

(Caps, figures and points, only)

| Point Size | Name of Face                                  | 90-Chan. Layout<br>Dia. No. 98 |        |      | Wide<br>90-Chan. Layout<br>Dia. No. 98 |        |      | 28-Chan. Aux. | 34-Chan. Aux. | 34-Chan. Wide Aux. |
|------------|-----------------------------------------------|--------------------------------|--------|------|----------------------------------------|--------|------|---------------|---------------|--------------------|
|            |                                               | L. C.                          | Center | Caps | L. C.                                  | Center | Caps |               |               |                    |
| 65463      | Bank Gothic Light with Medium                 | *                              | *      | *    | *                                      | *      | *    | *             | *             | *                  |
|            | A size 65464                                  | *                              | *      | *    | *                                      | *      | *    | *             | *             | *                  |
|            | B size 65466                                  | *                              | *      | *    | *                                      | *      | *    | *             | *             | *                  |
|            | C size 65468                                  | *                              | *      | *    | *                                      | *      | *    | *             | *             | *3                 |
| 12538      | Bank Gothic Light with Medium                 | —                              | —      | *    | —                                      | *Q8*   | *    | *             | *             | *                  |
|            | A size 12540                                  | —                              | —      | *    | —                                      | *8     | *    | *             | *             | *                  |
|            | B size 12542                                  | *H                             | *      | *    | *                                      | *      | *    | *             | *             | *                  |
|            | C size 12544                                  | *                              | *      | *    | *                                      | *      | *    | *             | *             | *                  |
|            | D size 12546                                  | *                              | *      | *    | *                                      | *      | *    | *             | *             | *                  |
| 65212      | Bold Face 9 with Gothic 31                    | *                              | *      | *    | *                                      | *      | *    | *             | *             | *                  |
|            | A size 65218                                  | *                              | *      | *    | *                                      | *      | *    | *             | *             | *                  |
|            | B size 65216                                  | *                              | *      | *    | *                                      | *      | *    | *             | *             | *3                 |
|            | C size 65214                                  | *                              | *      | *    | *                                      | *      | *    | *             | *             | *3                 |
| 125216     | Bold Face 9 with Gothic 31                    | —                              | —      | *87* | *Q5*                                   | *      | *    | *             | *             | *                  |
|            | A size 125222                                 | —                              | —      | *    | *                                      | *      | *    | *             | *             | *                  |
|            | B size 125220                                 | *                              | *D     | *    | *                                      | *      | *    | *             | *             | *                  |
|            | C size 125218                                 | *                              | *      | *    | *                                      | *      | *    | *             | *             | *                  |
|            | D size 125216                                 | *                              | *      | *    | *                                      | *      | *    | *             | *             | *                  |
| 185157     | Bold Face 9                                   | —                              | —      | —    | —                                      | —      | —    | —             | —             | *                  |
|            | A size 185151                                 | —                              | —      | —    | —                                      | —      | —    | —             | —             | *                  |
| 65170      | Gothic 25 with Gothic 26                      | *                              | *      | *    | *                                      | *      | *    | *             | *             | *                  |
|            | Gothic 25A with Gothic Cond. 2, 65164         | *                              | *      | *    | *                                      | *      | *    | *             | *             | *3                 |
|            | Gothic 25B with 8 Point Gothic Cond. 2, 65166 | *                              | *      | *    | *                                      | *      | *    | *             | *             | *3                 |
|            | Gothic 25C with Gothic 26C 65168              | *                              | *      | *    | *                                      | *      | *    | *             | *             | *                  |
| 65204      | Gothic 29 with Gothic 30                      | *                              | *      | *    | *                                      | *      | *    | *             | *             | *                  |
|            | A size 65210                                  | *                              | *      | *    | *                                      | *      | *    | *             | *             | *3                 |
|            | B size 65208                                  | *                              | *      | —    | *                                      | *      | —    | *             | *             | *3                 |
|            | C size 65206                                  | *                              | *      | —    | *                                      | *      | —    | *             | *             | *3                 |
| 125208     | Gothic 29 with Gothic 30                      | *NRADVA                        | *      | *    | *                                      | *      | *    | *             | *             | *                  |
|            | A size 125214                                 | *                              | *      | *    | *                                      | *      | *    | *             | *             | *                  |
|            | C size 125210                                 | *                              | *      | *    | *                                      | *      | *    | *             | *             | *                  |
| 185139     | Gothic 29                                     | —                              | —      | —    | —                                      | *      | —    | —             | *             | *                  |
|            | A size 185145                                 | —                              | —      | *    | *                                      | *      | 0    | *             | *             | *                  |
| 185141     | Gothic 30                                     | —                              | —      | —    | —                                      | *      | —    | —             | *             | *                  |
|            | A size 185147                                 | —                              | —      | *    | *                                      | *      | 0    | *             | *             | *                  |

# LINING FACES AND WHERE THEY WILL RUN—(Cont.)

(Caps, figures and points, only)

| Point Size | Name of Face                       | 90-Chan.<br>Layout<br>Dia. No. 98 |        |      | Wide<br>90-Chan.<br>Layout<br>Dia. No. 98 |        |      | 28-Chan. Aux. | 34-Chan. Aux. | Wide Aux. |
|------------|------------------------------------|-----------------------------------|--------|------|-------------------------------------------|--------|------|---------------|---------------|-----------|
|            |                                    | L. C.                             | Center | Caps | L. C.                                     | Center | Caps |               |               |           |
| 8Δ256      | Gothic 31 with Gothic 32...        | *                                 | *      | *    | *                                         | *      | *    | *             | *             | *         |
| A size     | 6Δ258.....                         | *                                 | *      | *    | *                                         | *      | *    | *             | *             | *         |
| B size     | 8Δ260.....                         | *                                 | *      | *    | *                                         | *      | *    | *             | *             | *         |
| C size     | 6Δ262.....                         | *                                 | *      | *    | *                                         | *      | *    | *             | *             | *3        |
| 12Δ266     | Gothic 31 with Gothic 32...        | —                                 | —      | *    | *ST+Q8*                                   | *      | *    | *             | *             | *         |
| A size     | 12Δ268.....                        | —                                 | —      | *    | *                                         | *      | *    | *             | *             | *         |
| B size     | 12Δ270.....                        | —                                 | *D     | *    | *                                         | *      | *    | *             | *             | *         |
| C size     | 12Δ272.....                        | —                                 | *      | *    | *                                         | *      | *    | *             | *             | *         |
| D size     | 12Δ296.....                        | —                                 | *      | *    | *                                         | *      | *    | *             | *             | *         |
| 18Δ143     | Gothic 31.....                     | —                                 | —      | —    | —                                         | —      | —    | —             | —             | *         |
| A size     | 18Δ149.....                        | —                                 | —      | —    | *                                         | —      | —    | *             | *             | *         |
| 6Δ248      | Gothic 31 with Gothic 33...        | *                                 | *      | *    | *                                         | *      | *    | *             | *             | *         |
| A size     | 6Δ252.....                         | *                                 | *      | *    | *                                         | *      | *    | *             | *             | *         |
| B size     | 6Δ254.....                         | *                                 | *      | *    | *                                         | *      | *    | *             | *             | *3        |
| C size     | 6Δ270.....                         | *                                 | *      | *    | *                                         | *      | *    | *             | *             | *3        |
| 12Δ486     | Gothic 31C with Gothic 33C...      | *                                 | *      | *    | *                                         | *      | *    | *             | *             | *         |
| 6Δ236      | Gothic 32 with Gothic 33...        | *                                 | *      | *    | *                                         | *      | *    | *             | *             | *         |
| A size     | 6Δ238.....                         | *                                 | *      | *    | *                                         | *      | *    | *             | *             | *         |
| B size     | 6Δ240.....                         | *                                 | *      | *    | *                                         | *      | *    | *             | *             | *3        |
| C size     | 6Δ242.....                         | *                                 | *      | *    | *                                         | *      | *    | *             | *             | *3        |
| 12Δ250     | Gothic 32 with Gothic 33...        | —                                 | —      | *    | *ST+Q8*                                   | *      | *    | *             | *             | *         |
| A size     | 12Δ252.....                        | —                                 | —      | *    | *                                         | *      | *    | *             | *             | *         |
| B size     | 12Δ254.....                        | —                                 | *D     | *    | *                                         | *      | *    | *             | *             | *         |
| C size     | 12Δ256.....                        | —                                 | *      | *    | *                                         | *      | *    | *             | *             | *         |
| 6Δ382      | Memphis Light with<br>Memphis Bold | *                                 | *      | *    | *                                         | *      | *    | *             | *             | *         |
| A size     | 6Δ384.....                         | *                                 | *      | *    | *                                         | *      | *    | *12*          | *             | *3        |
| B size     | 6Δ386.....                         | *                                 | *      | *    | *                                         | *      | *    | *12*          | *             | *3        |
| 12Δ434     | Memphis Light with<br>Memphis Bold | *                                 | *D     | *    | *                                         | *      | *    | *             | *             | *         |
| A size     | 12Δ424.....                        | *                                 | *      | *    | *                                         | *      | *    | *             | *             | *         |
| B size     | 12Δ426.....                        | *                                 | *      | *    | *                                         | *      | *    | *             | *             | *         |
| C size     | 12Δ428.....                        | *                                 | *      | *    | *                                         | *      | *    | *             | *             | *         |
| 8Δ378      | Metromedium with<br>Metrothin      | *                                 | *      | *    | *                                         | *      | *    | *             | *             | *3        |
| A size     | 8Δ378.....                         | *                                 | *      | *    | *                                         | *      | *    | *12*          | *             | *3        |
| B size     | 8Δ380.....                         | *                                 | *      | *    | *                                         | *      | *    | —             | *             | *3        |
| 12Δ416     | Metromedium with<br>Metrothin      | *                                 | *      | *    | *                                         | *      | *    | *             | *             | *         |
| A size     | 12Δ418.....                        | *                                 | *      | *    | *                                         | *      | *    | *             | *             | *         |
| B size     | 12Δ420.....                        | *                                 | *      | *    | *                                         | *      | *    | *             | *             | *         |
| C size     | 12Δ422.....                        | *                                 | *      | *    | *                                         | *      | *    | *             | *             | *3        |

\* Will run.

— Will not run.

D, R, V, etc.—Letters indicated will not run.

3—Wide Auxiliary with narrow channels required.

## SUGGESTED FONT SCHEMES

On the following pages are shown thirty-five different font arrangements for two-letter and display matrices, each of which is designed to meet specific requirements in the entire field of Linotype composition. The quantities suggested for each character are based on the normal frequency of use of that character in the class of work to which a given font arrangement is best adapted. The quantities suggested are the minimum which can ordinarily be used with economy, although in some cases the list of characters may be modified to suit individual requirements. Under Display font schemes note that List A faces run in standard 90-channel magazines, while List B faces run only in wide 90-channel, 72-channel or auxiliary magazines.

### TWO-LETTER FACES. 90-CHANNEL MAGAZINE

No. 1. For all-purpose use, such as book, catalog, advertising, newspaper and composition in small faces set wide measure. For full-length magazine. 1500 matrices.

No. 2. The same as No. 1, with the elimination of certain reference and other characters that are infrequently used. A good serviceable font for large or small faces in any measure. For full-length magazine. 1200 matrices.

No. 3. For news composition. Not suitable for book work. Quantities suggested for each character scientifically correct according to normal frequency of use in newspaper composition. For full-length magazine. 1100 matrices.

No. 50. Suggested for three-quarter length magazine. Similar to No. 2 font but with quantity of characters reduced for use in three-quarter length magazine. 1000 matrices.

No. 4. Suggested for use in split magazine straight matter or job composition in faces 10 to 14 point. Also a serviceable font for smaller faces if speed and wide measures are not essential. 790 matrices.

No. 5. A two-letter cap font consisting of caps, figures and points. For full- or three-quarter length magazine. 677 matrices.

No. 6. A cap font of Lining Gothics or other job faces to run in the magazine. See No. 21 for job font. For split magazine. 509 matrices.

No. 7. Provides for three complete cap fonts of Lining Gothics in one magazine. Keyboard diagram No. 98. Quantities or variety of side sorts may be changed to suit requirements. For split magazine. 1469 matrices.

No. 7A. Provides for cap font of Lining Gothic when same is to run in cap channels. Keyboard diagram No. 98. For split magazine. 485 matrices.



No. 7B. Provides for cap font of Lining Gothic when same is to run in small cap channels. Keyboard diagram No. 98. For split magazine. 514 matrices.

No. 7C. Provides for cap font of Lining Gothic when same is to run in lower-case channels. Keyboard diagram No. 98. For split magazine. 470 matrices.

No. 8. Provides for two complete cap fonts (caps and figures) of Lining Gothics in one magazine. Keyboard diagram No. 138. Quantities or variety of side sorts may be changed to suit requirements. For split magazine. 979 matrices.

No. 8A. Provides for cap font (caps and figures) Lining Gothic when same is to run in right side of magazine. Keyboard diagram No. 138. For split magazine. 509 matrices.

No. 8B. Provides for cap font (caps and figures) Lining Gothic when same is to run in left side of magazine. Keyboard diagram No. 138. For split magazine. 470 matrices.

#### **TWO-LETTER FACES. 72-CHANNEL MAGAZINE**

No. 13. This font is suggested for use in a full-length 72-channel magazine of a display machine where it is to be used part time on news matter. Two channels of lower-case "e" are included. 1200 two-letter matrices.

No. 47. For use in a three-quarter length 72-channel magazine of a display machine where it is to be used part time on news matter. Two channels of lower-case "e" are included. 900 two-letter matrices.

No. 14. Designed for 12- or 14-point two-letter advertising faces in 72-channel split magazine. Two channels of lower-case "e" are included. 701 two-letter matrices.

#### **DISPLAY FACES. 90-CHANNEL OR WIDE 90-CHANNEL MAGAZINE**

No. 9. This is an all-purpose arrangement where a large amount of composition is required. The No. 10 arrangement suggests a good font of a smaller quantity can be used. For full- or three-quarter length magazine. 770 matrices.

No. 10. Same as No. 9 except that quantities are reduced for split magazine. 636 matrices.

No. 11. Cap font for full-length magazine. 619 matrices.

No. 12. Cap font for split magazine. 446 matrices.

#### **DISPLAY FACES. 72-CHANNEL MAGAZINE**

No. 17. Suggested for use in a full- or three-quarter length 72-channel magazine on display machines, where display is to be set continuously and comparatively condensed faces are used. Two channels of lower-case "e" and 15 extra thick spaces are included. 690 matrices.

No. 15. The regular font arrangement for display faces in 72-channel split magazine. There are two channels of lower-case "c" and a channel of extra thick spaces. 565 matrices.

No. 16. A font of caps, figures and points for use in a 72-channel split magazine. 414 matrices.

#### DISPLAY FACES. 55-CHANNEL ARRANGEMENT

No. 20. Full- or three-quarter length magazine font extended display faces that run in 55-channel layout of 72-channel magazine. 653 matrices.

No. 18. Split magazine font adapted to large extended display faces which run in the 55-channel layout of 72-channel magazine. 462 matrices.

No. 19. Cap font for extended display faces which run in the 55-channel layout of 72-channel split magazine. 338 matrices.

#### DISPLAY FACES. WIDE 72-CHANNEL MAGAZINE

No. 49. The regular font arrangement for display faces in wide 72-channel magazine. There are two channels of lower-case "c" and a channel of extra thick spaces. 630 matrices.

#### TWO-LETTER OR DISPLAY FACES. JOB FONTS

No. 21 and 21A. There is no limit to the amount and variety of small jobs that can be set economically and profitably on the Linotype by means of small job fonts of matrices. This arrangement as to variety of characters and quantities of matrices is merely suggestive, and it may be varied to suit your needs. These fonts are useful for setting side heads, cards, envelope corners, and an almost unlimited variety of small jobs that would otherwise tie up a lot of expensive material.

A small 10-drawer steel cabinet (X-1587) has been especially designed for the use of matrix job fonts. Each drawer has 58 compartments, sufficient for a complete font of caps and lower case. In addition there is an undivided auxiliary drawer at the bottom for tool storage. The cabinet can be set under the sorts stacker of the machine or any location most convenient for setting and distribution without leaving the keyboard.

#### TWO-LETTER OR DISPLAY FACES. AUXILIARY MAGAZINE

No. 22. Regular font arrangement for all styles of auxiliary magazines and of all sizes of face. 289 matrices.

No. 23. A font scheme where caps and figures run in one auxiliary magazine with lower case and points in another auxiliary magazine. Can be used for both display and two-letter. 490 matrices.

#### COMBINATION FONT SCHEMES

##### 90-CHANNEL SPLIT MAGAZINE

No. 59. A set of caps and points of two-letter or display faces running in center or cap channels. Figures run pi. Keyboard diagrams No. 6, 6A, 22, 22A, 22B or 87. 360 matrices.

No. 52. A set of caps and points of two-letter or display faces running in lower-case channels. Figures run pi. Keyboard diagrams No. 6A, 22 or 87. 390 matrices.

No. 53. A set of lower case, points and caps of two-letter or display faces running in lower case and center channels, or in lower case and cap channels. Figures run pi. Keyboard diagrams No. 6, 22A or 22B. 660 matrices.

No. 54. A set of lower case, points and caps of two-letter roman with italic and small cap faces, running in lower case and center channels, or in lower case and cap channels. Figures run pi. Keyboard diagrams No. 6, 22A or 22B. 770 matrices.

#### 90-CHANNEL SPLIT AND AUXILIARY MAGAZINE

No. 24. Set of display caps, lower case and figures and points, running lower case in cap channels of 90-channel magazine with caps and figures in auxiliary magazine. 570 matrices.

No. 55. A set of display caps, lower case, figures and points, running lower case and points in left side of 90-channel magazine (Diagram No. 135), with caps and figures in auxiliary magazine. 667 matrices.

No. 56. A set of display caps, lower case, figures and points, running lower case and points in right side of 90-channel magazine (Diagram No. 135), with caps and figures in auxiliary magazine. 600 matrices.

#### 72-CHANNEL SPLIT AND AUXILIARY MAGAZINE

No. 57. A set of display caps, lower case, figures and points, running lower case and points in left side of 72-channel magazine (Diagram No. 149), with caps and figures in auxiliary magazine. 550 matrices.

No. 58. A set of display caps, lower case, figures and points, running lower case and points in right side of 72-channel magazine (Diagram No. 149), with caps and figures in auxiliary magazine. 510 matrices.

\*\*\*\*\*

#### 90-Channel Full Length Magazine

### 1 TWO-LETTER FACES. 1500 Matrices

#### Roman with Bold Face or Italic

| KEYBOARD |      |      |      |      |           |               |    |       |  | SORTS |  |
|----------|------|------|------|------|-----------|---------------|----|-------|--|-------|--|
| 20 a     | 20 n | 18 A | 15 N | 20 1 | 10 fl     | 20 ' 5        | 1  | 4 8   |  |       |  |
| 18 b     | 20 o | 12 B | 15 O | 20 2 | 10 H      | 20 - 5        | 1  | 4 1   |  |       |  |
| 20 c     | 15 p | 12 C | 12 P | 20 3 | 10 ff     | 20 ! 10       | -  | 4 1   |  |       |  |
| 20 d     | 10 q | 15 D | 8 Q  | 20 4 | 10 M      | 12 * 4        | 20 | 6 1/2 |  |       |  |
| 20 e     | 20 r | 18 E | 12 R | 20 5 | 10 H      | 20 thin sp. 4 | CE | 6 1/2 |  |       |  |
| 18 f     | 20 s | 12 F | 18 S | 20 6 | 10 (      | 20 fig. sp. 5 | re | 6 3/4 |  |       |  |
| 15 g     | 20 t | 12 G | 18 T | 20 7 | 10 )      | 20 em sp. 5   | ce | 6 1/2 |  |       |  |
| 20 h     | 20 u | 15 H | 15 U | 20 8 | 20 .      | 20 . 4        | %  | 6 3/4 |  |       |  |
| 20 i     | 12 v | 15 I | 10 V | 20 9 | 20 .      | 20 . 5        | f  | 6 3/4 |  |       |  |
| 15 j     | 15 w | 18 J | 10 W | 20 0 | 12 ;      | 20 -- 4       | 7  | 6 3/4 |  |       |  |
| 12 k     | 12 x | 12 K | 8 X  | 10 4 | 10 :      | 10 B 10       |    |       |  |       |  |
| 20 l     | 15 y | 12 L | 10 Y | 12 & | 20 ' 10 @ |               |    |       |  |       |  |
| 20 m     | 10 z | 18 M | 10 Z | 6 ?  | 6 !       |               |    |       |  |       |  |

1500 of J-4911 Matrices

## 1 TWO-LETTER FACES. 1500 Matrices

## Roman with Italic and Small Caps

| KEYBOARD |      |      |      |       |             |           |      |       |     | SORTS |  |
|----------|------|------|------|-------|-------------|-----------|------|-------|-----|-------|--|
| 20 a     | 10 q | 12 F | 12 U | 20 9  | 8 ;         | Rom. with | 4 [  | Small |     |       |  |
| 15 b     | 20 r | 10 G | 10 V | 20 0  | 15 ' 1      | Italic    | 4 ]  | Caps  |     |       |  |
| 20 c     | 20 s | 12 H | 10 W | 10 8  | 5 !         | 4 Z       | 5 fl | 10 -  | 4 x |       |  |
| 20 d     | 20 t | 12 I | 8 X  | 8 &   | 16 ' 2      | 5 &       | 5 fl | 4 %   | 4 z |       |  |
| 20 e     | 20 u | 12 J | 10 Y | 8 ?   | 15 -        | 4 1       | 5 fl | 6 9   | 3 0 |       |  |
| 18 f     | 12 v | 10 K | 10 Z | 8 0   | 20 !        | 4 2       | 4 :  | 4 1   | 3 0 |       |  |
| 15 g     | 12 w | 12 L |      | 8 fl  | 10 *        | 4 3       | 4 (  | 4 5   | 4 & |       |  |
| 20 h     | 12 x | 12 M | 20 1 | 8 #   | 20 thin sp. | 4 4       | 4 )  | 4 7   |     |       |  |
| 20 i     | 12 y | 12 N | 20 2 | 10 fl | 20 fig. sp. | 4 5       | 2 ac | 4 7   |     |       |  |
| 12 j     | 10 z | 12 O | 20 3 | 10 fl | 20 em sp.   | 4 6       | 2 ac | 6 1   |     |       |  |
| 12 k     |      | 10 P | 20 4 | 10 (  | 20 .        | 4 7       | 3 0  | 5 1   |     |       |  |
| 20 l     | 12 A | 8 Q  | 20 5 | 10 )  | 20 ..       | 4 8       | 3 CE | 5 1   |     |       |  |
| 20 m     | 10 B | 12 R | 20 6 | 20 .  | 20 -        | 4 9       | 5 fl | 5 1   |     |       |  |
| 20 n     | 12 C | 12 S | 20 7 | 20 ,  | 5 ac        | 5 0       | 2 f  | 5 1   |     |       |  |
| 20 o     | 12 D | 12 T | 20 8 | 10 ;  | 10 ce       | 4 8       |      | 6 1   |     |       |  |
| 15 p     | 15 E |      |      |       |             |           |      | 6 1   |     |       |  |

1500 of J-4911 Matrices

## 2 TWO-LETTER FACES. 1200 Matrices

## Roman with Bold Face or Italic

| KEYBOARD |      |      |      |      |      |             |  |     |  | SORTS |  |
|----------|------|------|------|------|------|-------------|--|-----|--|-------|--|
| 20 a     | 20 m | 16 A | 12 N | 18 1 | 5 6  | 10 ' 1      |  | 2 1 |  |       |  |
| 18 b     | 20 o | 10 B | 15 O | 18 2 | 5 fl | 16 -        |  | 2 1 |  |       |  |
| 20 c     | 15 p | 10 C | 8 Y  | 18 3 | 5 fl | 15 !        |  | 2 1 |  |       |  |
| 20 d     | 10 q | 12 D | 5 Q  | 18 4 | 5 fl | 5 *         |  | 2 1 |  |       |  |
| 20 e     | 20 r | 18 E | 12 R | 18 5 | 5 fl | 20 thin sp. |  | 2 1 |  |       |  |
| 18 f     | 20 s | 10 F | 12 S | 18 6 | 5 (  | 20 fig. sp. |  | 2 1 |  |       |  |
| 15 g     | 20 t | 10 G | 14 T | 18 7 | 6 )  | 20 em sp.   |  | 2 1 |  |       |  |
| 20 h     | 20 u | 12 H | 10 U | 18 8 | 15 . | 20 .        |  |     |  |       |  |
| 20 i     | 12 v | 14 I | 5 V  | 18 9 | 15 . | 20 ..       |  |     |  |       |  |
| 15 j     | 12 w | 10 J | 8 W  | 20 0 | 8 ;  | 15 -        |  |     |  |       |  |
| 12 k     | 10 x | 8 K  | 5 X  | 10 1 | 6 :  | 5 fl        |  |     |  |       |  |
| 20 l     | 12 y | 12 L | 5 Y  | 8 &  | 12 * | 5 0         |  |     |  |       |  |
| 20 m     | 10 z | 14 M | 5 Z  | 5 Y  | 5 !  |             |  |     |  |       |  |

1200 of J-4911 Matrices

## 2 TWO-LETTER FACES. 1200 Matrices

## Roman with Italic and Small Caps

| KEYBOARD |      |      |      |      |             |             |      |       |  | SORTS |  |
|----------|------|------|------|------|-------------|-------------|------|-------|--|-------|--|
| 20 a     | 8 q  | 10 F | 10 U | 15 9 | 5 ;         | Roman       | 2 1  |       |  |       |  |
| 15 b     | 20 r | 8 G  | 6 V  | 20 0 | 10 ' 1      | with Italic | 2 1  |       |  |       |  |
| 20 c     | 20 s | 10 H | 8 W  | 8 &  | 5 !         | 3 Z         | 3 fl | 2 1   |  |       |  |
| 20 d     | 20 t | 12 I | 5 X  | 6 &  | 10 ' 2      | 3 &         | 3 fl | 2 1   |  |       |  |
| 20 e     | 20 u | 10 J | 5 Y  | 6 ?  | 15 -        | 3 1         | 3 fl | 2 1   |  |       |  |
| 18 f     | 12 v | 8 K  | 4 Z  | 4 0  | 12 !        | 3 2         | 3 :  | 2 1   |  |       |  |
| 14 g     | 12 w | 10 L |      | 4 0  | 5 *         | 3 3         | 3 (  | 2 1   |  |       |  |
| 20 h     | 12 x | 10 M | 15 1 | 4 fl | 20 thin sp. | 3 4         | 3 )  |       |  |       |  |
| 20 i     | 12 y | 12 N | 15 2 | 4 fl | 20 fig. sp. | 3 5         | 2 ac | Small |  |       |  |
| 12 j     | 10 z | 10 O | 15 3 | 4 fl | 20 em sp.   | 3 6         | 2 ac | Caps  |  |       |  |
| 12 k     |      | 8 P  | 15 4 | 5 (  | 20 .        | 3 7         |      |       |  |       |  |
| 20 l     | 12 A | 5 Q  | 15 5 | 5 )  | 20 ..       | 3 8         |      |       |  |       |  |
| 20 m     | 8 B  | 10 R | 15 6 | 20 . | 15 -        | 3 9         |      |       |  |       |  |
| 20 n     | 10 C | 12 S | 15 7 | 20 , | 5 ac        | 3 0         |      |       |  |       |  |
| 20 o     | 10 D | 12 T | 15 8 | 8 ;  | 5 ce        | 3 1         |      |       |  |       |  |
| 15 p     | 15 E |      |      |      |             |             |      |       |  |       |  |

1200 of J-4911 Matrices

## 3 TWO-LETTER FACES. 1100 Matrices

Roman with Bold Face or Italic

| KEYBOARD |      |      |      |      |        |             |       |  |  | SORTS |  |
|----------|------|------|------|------|--------|-------------|-------|--|--|-------|--|
| 20 a     | 18 n | 15 A | 14 N | 20 1 | 8 (    | 20 thin sp. | 3 %   |  |  |       |  |
| 12 b     | 20 o | 10 B | 15 O | 20 2 | 8 )    | 20 fig. sp. | 4 1/4 |  |  |       |  |
| 12 c     | 10 p | 12 C | 8 P  | 20 3 | 15 .   | 20 em sp.   | 4 1/4 |  |  |       |  |
| 17 d     | 6 q  | 12 D | 5 Q  | 20 4 | 15 ,   | 20 ..       | 4 1/2 |  |  |       |  |
| 20 e     | 18 r | 18 E | 12 R | 20 5 | 8 :    | 12 --       | 4 1/2 |  |  |       |  |
| 12 f     | 20 s | 9 F  | 15 S | 20 6 | 6 ;    |             | 4 1/2 |  |  |       |  |
| 12 g     | 20 t | 9 G  | 15 T | 20 7 | 12 ' ! |             | 4 1/2 |  |  |       |  |
| 18 h     | 12 u | 12 H | 9 U  | 20 8 | 5 !    |             | 4 1/2 |  |  |       |  |
| 20 i     | 8 v  | 14 I | 6 V  | 20 9 | 10 ' ! |             |       |  |  |       |  |
| 6 j      | 10 w | 5 J  | 6 W  | 20 0 | 15 -   |             |       |  |  |       |  |
| 8 k      | 8 x  | 6 K  | 4 X  | 10 5 | 10 !   |             |       |  |  |       |  |
| 18 l     | 10 y | 12 L | 6 Y  | 4 &  | 5 *    |             |       |  |  |       |  |
| 15 m     | 6 z  | 12 M | 4 Z  | 5 ?  |        |             |       |  |  |       |  |

1100 of J-4911 Matrices

## 3 TWO-LETTER FACES. 1100 Matrices

Roman with Italic and Small Caps

| KEYBOARD |      |      |      |      |             |            |       |  |  | SORTS |  |
|----------|------|------|------|------|-------------|------------|-------|--|--|-------|--|
| 20 a     | 6 q  | 8 F  | 8 U  | 18 9 | 6 :         | *Roman     | 3 %   |  |  |       |  |
| 12 b     | 18 r | 8 G  | 6 V  | 20 0 | 12 ' !      | with Ital. | 3 1/4 |  |  |       |  |
| 12 c     | 20 s | 12 H | 6 W  | 6 5  | 5 !         | 2 H        | 3 1/4 |  |  |       |  |
| 15 d     | 20 t | 12 I | 4 X  | 4 &  | 10 ' !      | 2 M        | 3 1/4 |  |  |       |  |
| 20 e     | 12 u | 5 J  | 6 Y  | 5 ?  | 15 -        | 2 M        | 3 1/4 |  |  |       |  |
| 12 f     | 8 v  | 6 K  | 4 Z  | 4 0  | 8 !         | 2 :        | 3 1/4 |  |  |       |  |
| 12 g     | 8 w  | 12 L |      | 4 0  | 5 *         | 2 (        | 3 1/4 |  |  |       |  |
| 16 h     | 8 x  | 12 M | 18 1 | 4 0  | 20 thin sp. | 2 )        | 3 %   |  |  |       |  |
| 20 i     | 10 y | 14 N | 18 2 | 4 0  | 20 fig. sp. | 2 %        |       |  |  |       |  |
| 6 j      | 6 z  | 14 O | 18 3 | 4 0  | 20 em sp.   | 2 &        |       |  |  |       |  |
| 8 k      |      | 8 P  | 18 4 | 8 (  | 20 .        |            | Small |  |  |       |  |
| 18 l     | 14 A | 5 Q  | 18 5 | 8 )  | 20 ..       |            | Caps  |  |  |       |  |
| 15 m     | 10 B | 12 R | 18 6 | 15 . | 12 --       |            | 2 x   |  |  |       |  |
| 15 n     | 12 C | 14 S | 18 7 | 15 . | 4 x         |            | 2 z   |  |  |       |  |
| 20 o     | 12 D | 14 T | 18 8 | 8 ;  | 5 m         |            | 2 &   |  |  |       |  |
| 10 p     | 18 E |      |      |      |             |            |       |  |  |       |  |

1100 of J-4911 Matrices

\*Italic figures are not supplied. If desired, they must be ordered separately.

## 50 TWO-LETTER FACES. 1000 Matrices

Roman with Bold Face or Italic

| KEYBOARD |      |      |      |      |        |             |       |  |  | SORTS |  |
|----------|------|------|------|------|--------|-------------|-------|--|--|-------|--|
| 16 a     | 16 n | 15 A | 14 N | 15 1 | 8 (    | 16 thin sp. | 3 %   |  |  |       |  |
| 12 b     | 16 o | 10 B | 15 O | 15 2 | 8 )    | 16 fig. sp. | 4 1/4 |  |  |       |  |
| 12 c     | 10 p | 12 C | 8 P  | 15 3 | 16 .   | 16 em sp.   | 4 1/4 |  |  |       |  |
| 15 d     | 6 q  | 12 D | 5 Q  | 15 4 | 16 ,   | 16 ..       | 4 1/2 |  |  |       |  |
| 16 e     | 16 r | 16 E | 12 R | 15 5 | 8 :    | 12 --       | 4 1/2 |  |  |       |  |
| 12 f     | 16 s | 9 F  | 15 S | 15 6 | 6 ;    |             | 4 1/2 |  |  |       |  |
| 12 g     | 16 t | 9 G  | 15 T | 15 7 | 12 ' ! |             | 4 1/2 |  |  |       |  |
| 16 h     | 12 u | 12 H | 9 U  | 15 8 | 5 !    |             | 4 %   |  |  |       |  |
| 16 i     | 8 v  | 14 I | 6 V  | 15 9 | 12 ' ! |             |       |  |  |       |  |
| 6 j      | 10 w | 5 J  | 6 W  | 16 0 | 16 -   |             |       |  |  |       |  |
| 8 k      | 8 x  | 6 K  | 4 X  | 10 5 | 10 !   |             |       |  |  |       |  |
| 16 l     | 10 y | 12 L | 6 Y  | 4 &  | 5 *    |             |       |  |  |       |  |
| 15 m     | 6 z  | 12 M | 4 Z  | 5 ?  |        |             |       |  |  |       |  |

1000 of J-4911 Matrices

## 90-Channel Three-Quarter Length Magazine

## 50 TWO-LETTER FACES. 1000 Matrices

## Roman with Italic and Small Caps

| KEYBOARD |      |      |      |      |             |            |       |  |  | SORTS      |  |  |
|----------|------|------|------|------|-------------|------------|-------|--|--|------------|--|--|
| 16 a     | 6 q  | 8 F  | 8 U  | 14 9 | 6 :         | *Roman     | 3 %   |  |  |            |  |  |
| 12 b     | 15 r | 8 G  | 6 V  | 16 0 | 12 :        | with Ital. | 3 1/4 |  |  |            |  |  |
| 12 c     | 16 s | 10 H | 6 W  | 6 3  | 5 !         | 2 1/2      | 3 3/4 |  |  |            |  |  |
| 14 d     | 16 t | 12 I | 4 X  | 4 &  | 10 :        | 2 1/2      | 3 1/2 |  |  |            |  |  |
| 16 e     | 12 u | 5 J  | 6 Y  | 5 7  | 15 -        | 2 1/2      | 3 1/2 |  |  |            |  |  |
| 12 f     | 8 v  | 6 K  | 4 Z  | 4 11 | 8 !         | 2 1/2      | 3 1/2 |  |  |            |  |  |
| 12 g     | 8 w  | 12 L |      | 4 11 | 5 *         | 2 1/2      | 3 1/2 |  |  |            |  |  |
| 15 h     | 8 x  | 10 M | 14 1 | 4 11 | 16 thin sp. | 2 1/2      | 3 1/2 |  |  |            |  |  |
| 16 i     | 10 y | 14 N | 14 2 | 4 11 | 16 fig. sp. | 2 1/2      | 3 1/2 |  |  |            |  |  |
| 6 j      | 6 z  | 14 O | 14 3 | 4 11 | 16 em sp.   | 2 1/2      | 3 1/2 |  |  |            |  |  |
| 8 k      |      | 8 P  | 14 4 | 8 (  | 16 .        | 2 1/2      | 3 1/2 |  |  | Small Caps |  |  |
| 15 l     | 14 A | 5 Q  | 14 5 | 8 )  | 16 ..       | 2 1/2      | 3 1/2 |  |  |            |  |  |
| 14 m     | 10 B | 12 R | 14 6 | 16 . | 12 -        | 2 1/2      | 3 1/2 |  |  |            |  |  |
| 14 n     | 10 C | 14 S | 14 7 | 15 . | 5 10        | 2 1/2      | 3 1/2 |  |  |            |  |  |
| 16 o     | 12 D | 14 T | 14 8 | 8 :  | 4 10        | 2 1/2      | 3 1/2 |  |  |            |  |  |
| 10 p     | 16 E |      |      |      |             |            |       |  |  |            |  |  |

1000 of J-4911 Matrices

\*Italic figures are not supplied. If desired, they must be ordered separately.

## 90-Channel Split Magazine

## 4 TWO-LETTER FACES. 790 Matrices

## Roman with Bold Face or Italic

| KEYBOARD |      |      |      |      |      |             |       |  |  | SORTS |  |
|----------|------|------|------|------|------|-------------|-------|--|--|-------|--|
| 12 a     | 12 m | 11 A | 11 N | 9 1  | 5 11 | 4 :         | 2 1/4 |  |  |       |  |
| 10 b     | 12 o | 9 B  | 12 O | 9 2  | 5 11 | 8 :         | 2 1/4 |  |  |       |  |
| 10 c     | 8 p  | 10 C | 7 P  | 9 3  | 5 11 | 10 :        | 2 1/4 |  |  |       |  |
| 11 d     | 6 q  | 10 D | 5 Q  | 9 4  | 5 11 | 3 *         | 2 1/4 |  |  |       |  |
| 12 e     | 12 r | 12 E | 10 R | 9 5  | 5 11 | 12 thin sp. | 2 1/4 |  |  |       |  |
| 10 f     | 12 s | 9 F  | 12 S | 9 6  | 6 (  | 12 fig. sp. | 2 1/4 |  |  |       |  |
| 10 g     | 12 t | 9 G  | 12 T | 9 7  | 6 )  | 12 em sp.   | 2 1/4 |  |  |       |  |
| 12 h     | 8 u  | 10 H | 7 U  | 9 8  | 12 . | 12 .        | 2 1/4 |  |  |       |  |
| 12 i     | 7 v  | 11 I | 6 V  | 9 9  | 12 . | 12 .        | 2 1/4 |  |  |       |  |
| 6 j      | 9 w  | 5 J  | 6 W  | 12 0 | 5 :  | 10 -        | 2 1/4 |  |  |       |  |
| 8 k      | 7 x  | 6 K  | 4 X  | 7 3  | 5 :  |             | 2 1/4 |  |  |       |  |
| 13 l     | 9 y  | 10 L | 6 Y  | 4 &  | 12 - |             | 2 1/4 |  |  |       |  |
| 11 m     | 6 z  | 10 M | 4 Z  | 4 7  | 10 : |             | 2 1/4 |  |  |       |  |

790 of J-4911 Matrices

## 90-Channel Split Magazine

## 4 TWO-LETTER FACES. 790 Matrices

## Roman with Italic and Small Caps

| KEYBOARD |      |      |      |      | SORTS       |            |       |
|----------|------|------|------|------|-------------|------------|-------|
| 12 a     | 6 q  | 8 F  | 6 V  | 6 3  | 4 !         | *Roman     | 2 1/4 |
| 10 b     | 12 r | 8 G  | 6 W  | 4 &  | 8 :         | with Ital. | 2 1/4 |
| 10 c     | 12 s | 10 H | 4 X  | 4 7  | 10 :        | 2 1/2      | 3 1/4 |
| 10 d     | 12 t | 10 I | 6 Y  | 5 11 | 3 *         | 2 1/2      | 3 1/4 |
| 12 e     | 8 u  | 5 J  | 4 Z  | 5 11 | 12 thin sp. | 2 1/2      | 3 1/4 |
| 10 f     | 7 v  | 5 K  |      | 5 11 | 12 fig. sp. | 2 1/2      | 3 1/4 |
| 10 g     | 8 w  | 10 L | 8 1  | 5 11 | 12 em sp.   | 2 1/2      | 3 1/4 |
| 12 h     | 6 x  | 10 M | 8 2  | 5 11 | 12 .        | 2 1/2      | 3 1/4 |
| 12 i     | 9 y  | 10 N | 8 3  | 6 (  | 12 .        | 2 1/2      | 3 1/4 |
| 6 j      | 5 z  | 10 O | 8 4  | 6 )  | 10 -        | 2 1/2      | 3 1/4 |
| 8 k      |      | 6 P  | 8 5  | 12 . | 4 10        | Small Caps | 2 1/2 |
| 12 l     | 10 A | 5 Q  | 8 6  | 12 . | 4 10        | 2 1/2      | 3 1/4 |
| 10 m     | 8 B  | 10 R | 8 7  | 5 :  |             | 2 1/2      | 3 1/4 |
| 12 n     | 10 C | 10 S | 8 8  | 5 :  |             | 2 1/2      | 3 1/4 |
| 12 o     | 10 D | 12 T | 8 9  | 12 - |             | 2 1/2      | 3 1/4 |
| 8 p      | 12 E | 6 U  | 10 0 | 10 : |             | 2 1/2      | 3 1/4 |

790 of J-4911 Matrices

\*Italic figures are not supplied. If desired, they must be ordered separately.

90-Channel Full or Three-Quarter Length Magazine

5

TWO-LETTER FACES. 677 Matrices

Roman with Bold Face or Italic  
Cap Font

| KEYBOARD |      |      |      |      |             |     |   |   |   | SORTS |   |
|----------|------|------|------|------|-------------|-----|---|---|---|-------|---|
| 12 A     | 12 J | 12 S | 16 1 | 16 0 | 16 thin sp. | 8 ( | 2 | 2 | 2 | 2     | 2 |
| 12 B     | 12 K | 15 T | 16 2 | 16 4 | 16 fig. sp. | 8 ) | 2 | 2 | 2 | 2     | 2 |
| 12 C     | 12 L | 12 U | 16 3 | 16 , | 16 em sp.   | 6 ! | 2 | 2 | 2 | 2     | 2 |
| 12 D     | 12 M | 8 V  | 16 4 | 16 . | 10 —        | 6 ? | 2 | 2 | 2 | 2     | 2 |
| 12 E     | 12 N | 10 W | 16 5 | 16 : |             |     | 2 | 2 | 2 | 2     | 2 |
| 12 F     | 15 O | 8 X  | 16 6 | 16 ; |             |     | 2 | 2 | 2 | 2     | 2 |
| 12 G     | 10 P | 8 Y  | 16 7 | 16 - |             |     | 2 | 2 | 2 | 2     | 2 |
| 12 H     | 8 Q  | 8 Z  | 16 8 | 16 ' |             |     | 2 | 2 | 2 | 2     | 2 |
| 12 I     | 12 R | 10 & | 16 9 | 16 " |             |     | 2 | 2 | 2 | 2     | 2 |

677 of J-4911 Matrices

90-Channel Split Magazine

6

LINING GOTHIC FACES. 509 Matrices

Single Font

|      |      |      |      |             |     |      |             |
|------|------|------|------|-------------|-----|------|-------------|
| 12 A | 12 I | 8 Q  | 8 Y  | 5 !         | 8 1 | 8 9  | 8 -         |
| 9 B  | 9 J  | 12 R | 4 Z  | 12 -        | 8 2 | 10 0 | 8 -         |
| 9 C  | 7 K  | 12 S |      | 6 ' ,       | 8 3 | 5 &  |             |
| 9 D  | 11 L | 12 T | 12 . | 6 ' ,       | 8 4 | 8 &  | 12 thin sp. |
| 12 E | 11 M | 10 U | 12 , | *12 —, .166 | 8 5 | 2    | 12 fig. sp. |
| 9 F  | 12 N | 8 V  | 8 :  | hair line   | 8 6 | 2    | 12 em sp.   |
| 9 G  | 12 O | 8 W  | 8 ;  | *8 —, .0415 | 8 7 | 6 (  | 3 "         |
| 9 H  | 8 P  | 8 X  | 5 ?  | hair line   | 8 8 | 6 )  | 2 "         |

\*Leader Alignment

509 of J-4911 Matrices

90-Channel Split Magazine

7

LINING GOTHIC FACES. 1469 Matrices

Three-Font Combination (Keyboard Diagram No. 98)

A—Cap Channels, 485 Matrices

| KEYBOARD |      |      |             |  |     |     |     |             |     | SORTS |  |
|----------|------|------|-------------|--|-----|-----|-----|-------------|-----|-------|--|
| 12 A     | 12 I | 8 Q  | 10 .        |  | 8 1 | 8 9 | 6 Z | 6 -         |     |       |  |
| 12 B     | 12 J | 12 R | 10 .        |  | 8 2 | 8 0 | 5 & | 5 -         |     |       |  |
| 12 C     | 8 K  | 12 S | 12 em sp.   |  | 8 3 | 2   | 2   | 6 :         | 5 - |       |  |
| 10 D     | 12 L | 12 T | in cap X    |  | 8 4 | 2   | 2   | 6 :         | 5 - |       |  |
| 12 E     | 12 M | 10 U | channel     |  | 8 5 | 3 " | 4 : | 4 :         |     |       |  |
| 12 F     | 12 N | 8 V  | *12 —, .166 |  | 8 6 | 3 " | 4 : | *8 —, .0415 |     |       |  |
| 12 G     | 12 O | 10 W | hair line   |  | 8 7 | 8 & | 4 ( | hair line   |     |       |  |
| 10 H     | 10 P | 8 Y  |             |  | 8 8 | 8 X | 4 ) |             |     |       |  |

\*Leader Alignment

B—Small Cap Channels, 514 Matrices

| KEYBOARD |      |      |             |  |     |     |       |             |   | SORTS |   |
|----------|------|------|-------------|--|-----|-----|-------|-------------|---|-------|---|
| 12 A     | 12 J | 12 S | 12 thin sp. |  | 5 & | 8 7 | 4 ?   | 5 ' ,       |   |       |   |
| 12 B     | 8 K  | 12 T | 12 fig. sp. |  | 8 1 | 8 8 | 4 :   | 2           | 2 | 2     | 2 |
| 12 C     | 12 L | 10 U | 12 em sp.   |  | 8 2 | 8 9 | 4 (   | 2           | 2 | 2     | 2 |
| 10 D     | 12 M | 8 V  | 10 .        |  | 8 3 | 8 0 | 4 )   | *9 —, .0415 |   |       |   |
| 12 E     | 12 N | 10 W | 10 .        |  | 8 4 | 8 " | 8 -   | hair line   |   |       |   |
| 12 F     | 12 O | 8 X  | 6 -         |  | 8 5 | 8 " | 6 -   | 6 :         |   |       |   |
| 12 G     | 10 P | 8 Y  | *12 —, .166 |  | 8 6 | 8 & | 5 ' , | 6 :         |   |       |   |
| 10 H     | 8 Q  | 8 Z  | hair line   |  |     |     |       |             |   |       |   |
| 12 I     | 12 R |      |             |  |     |     |       |             |   |       |   |

\*Leader Alignment

# 7 LINING GOTHIC FACES. 1469 Matrices - (Continued)

## C - Lower Case Channels, 470 Matrices

| KEYBOARD |      |      |            |     | SORTS |     |            |  |  |
|----------|------|------|------------|-----|-------|-----|------------|--|--|
| 12 A     | 12 I | 8 Q  | 8 Y        | 5 & | 8 7   | 6 : | 4 -        |  |  |
| 12 B     | 12 J | 12 R | 6 Z        | 8 1 | 8 8   | 6 : | 5 -        |  |  |
| 12 C     | 8 K  | 12 S |            | 8 2 | 8 9   | 4 : | 5 "        |  |  |
| 10 D     | 12 L | 12 T | 10 .       | 8 3 | 8 0   | 4 : | 5 "        |  |  |
| 12 E     | 12 M | 10 U | 10 .       | 8 4 | 3 "   | 4 ( | 2 AE       |  |  |
| 12 F     | 12 N | 8 V  |            | 8 5 | 3 "   | 4 ) | 2 OE       |  |  |
| 12 G     | 12 O | 10 W | *10 - .166 | 8 6 | 8 8   | 6 - | *8 - .0415 |  |  |
| 10 H     | 10 P | 8 X  | hair line  |     |       |     | hair line  |  |  |

\*Leader Alignment

1469 of J-4911 Matrices

90-Channel Split Magazine

# 8 LINING GOTHIC FACES. 979 Matrices

## Two-Font Combination (Keyboard Diagram No. 138)

### A - Right Side of Magazine, 509 Matrices

| KEYBOARD |      |      |     |      | SORTS           |      |     |  |  |
|----------|------|------|-----|------|-----------------|------|-----|--|--|
| 12 A     | 12 J | 12 R | 8 1 | 8 0  | 13 thin space   | 2 AE | 3 " |  |  |
| 12 B     | 8 K  | 12 T | 8 2 | 8 8  | 12 figure space | 2 OE | 3 " |  |  |
| 12 C     | 12 L | 10 U | 8 3 | 10 . | 12 em space     | 4 ?  | 5 - |  |  |
| 10 D     | 12 M | 8 V  | 8 4 | 10 . |                 | 4 !  | 5 - |  |  |
| 12 E     | 12 N | 10 W | 8 5 | 6 :  | *12 - .166      | 4 (  | 8 X |  |  |
| 12 F     | 12 O | 8 Y  | 8 6 | 6 :  | hair line       | 4 )  | 6 Z |  |  |
| 12 G     | 10 P | 5 &  | 8 7 | 6 -  |                 |      |     |  |  |
| 10 H     | 8 Q  |      | 8 8 | 5 "  | *8 - .0415      |      |     |  |  |
| 12 I     | 12 R |      | 8 9 | 5 "  | hair line       |      |     |  |  |

\*Leader Alignment

### B - Left Side of Magazine, 470 Matrices

| KEYBOARD |      |      |     |     | SORTS      |            |           |  |  |
|----------|------|------|-----|-----|------------|------------|-----------|--|--|
| 12 A     | 12 I | 8 Q  | 8 Y | 8 5 | 10 .       | 2 AE       | 4 )       |  |  |
| 12 B     | 12 J | 12 R | 6 Z | 8 6 | 10 .       | 2 OE       | 4 -       |  |  |
| 12 C     | 8 K  | 12 S | 5 & | 8 7 | 6 -        | 6 :        | 5 -       |  |  |
| 10 D     | 12 L | 12 T |     | 8 8 |            | 6 :        | 5 -       |  |  |
| 12 E     | 12 M | 10 U | 8 1 | 8 9 | *10 - .166 | 4 :        | 5 -       |  |  |
| 12 F     | 12 N | 8 V  | 8 2 | 8 0 | hair line  | 4 !        | 5 "       |  |  |
| 12 G     | 12 O | 10 W | 8 3 | 8 8 |            | 4 (        | 8 X       |  |  |
| 10 H     | 10 P | 8 X  | 8 4 |     |            | *8 - .0415 | hair line |  |  |

\*Leader Alignment

979 of J-4911 Matrices

72-Channel Full Length Magazine

# 13 TWO-LETTER FACES. 1200 Matrices

## Roman with Bold Face or Italic

| KEYBOARD |      |      |      |      | SORTS              |     |      |  |  |
|----------|------|------|------|------|--------------------|-----|------|--|--|
| 20 a     | 20 n | 18 A | 16 N | 18 1 | 18 .               | 6 Z | 2 16 |  |  |
| 18 b     | 20 o | 12 B | 16 O | 18 2 | 18 .               | 5 & | 2 16 |  |  |
| 20 c     | 15 p | 12 C | 12 P | 18 3 | 8 !                | 5 : | 2 16 |  |  |
| 20 d     | 10 q | 15 D | 8 Q  | 18 4 | 18 -               | 4 ? | 2 16 |  |  |
| 40 e*    | 20 r | 18 E | 12 R | 18 5 | 14 "               | 4 ! | 2 16 |  |  |
| 18 f     | 20 s | 12 F | 18 S | 18 6 | 20 thin space      | 5 ( | 2 16 |  |  |
| 15 g     | 20 t | 12 G | 18 T | 18 7 | 20 figure space    | 5 ) | 2 16 |  |  |
| 18 h     | 20 u | 15 H | 15 U | 18 8 | 20 em space        | 5 * | 2 16 |  |  |
| 20 i     | 12 v | 16 I | 10 V | 18 9 | 10 - in channel 68 |     |      |  |  |
| 15 j     | 15 w | 15 J | 10 W | 20 0 | 14 ' in channel 70 |     |      |  |  |
| 12 k     | 12 x | 12 K | 5 X  | 10 8 |                    |     |      |  |  |
| 20 l     | 12 y | 12 L | 8 Y  |      |                    |     |      |  |  |
| 18 m     | 10 z | 18 M |      |      |                    |     |      |  |  |

\*20 in first channel.

1200 of J-4911 Matrices



## 72-Channel Three-Quarter Length Magazine

## 47 TWO-LETTER FACES, 900 Matrices

Roman with Bold Face or Italic

| KEYBOARD |      |      |      |      |                    |  |  |  |  | SORTS |  |
|----------|------|------|------|------|--------------------|--|--|--|--|-------|--|
| 16 a     | 16 n | 16 A | 16 N | 16 1 | 16 .               |  |  |  |  | 4 %   |  |
| 12 b     | 16 o | 10 B | 16 O | 14 2 | 16 .               |  |  |  |  | 4 &   |  |
| 12 c     | 10 p | 12 C | 8 P  | 14 3 | 8 ;                |  |  |  |  | 4 :   |  |
| 16 d     | 6 q  | 12 D | 5 Q  | 14 4 | 15 *               |  |  |  |  | 4 ?   |  |
| 32 e*    | 16 r | 16 E | 12 R | 14 6 | 12 '               |  |  |  |  | 4 !   |  |
| 12 f     | 16 s | 9 F  | 15 S | 14 6 | 16 thin sp.        |  |  |  |  | 4 (   |  |
| 12 g     | 16 t | 9 G  | 15 T | 14 7 | 16 fig. sp.        |  |  |  |  | 4 )   |  |
| 16 h     | 12 u | 12 H | 9 U  | 14 8 | 16 em sp.          |  |  |  |  |       |  |
| 16 i     | 6 v  | 14 I | 6 V  | 14 9 | 8 — in channel 68  |  |  |  |  |       |  |
| 6 j      | 10 w | 6 J  | 8 W  | 14 0 | 10 ' in channel 70 |  |  |  |  |       |  |
| 8 k      | 6 x  | 6 K  | 4 X  | 8 \$ |                    |  |  |  |  |       |  |
| 16 l     | 10 y | 12 L | 6 Y  |      |                    |  |  |  |  |       |  |
| 16 m     | 6 z  | 12 M |      |      |                    |  |  |  |  |       |  |

\*16 in first channel.

900 of J-4911 Matrices

## 72-Channel Split Magazine

## 14 TWO-LETTER FACES, 701 Matrices

Roman with Bold Face or Italic

| KEYBOARD |      |      |      |      |                    |  |  |  |  | SORTS |       |
|----------|------|------|------|------|--------------------|--|--|--|--|-------|-------|
| 10 a     | 10 n | 10 A | 10 N | 10 1 | 10 .               |  |  |  |  | 6 %   | 3 1/2 |
| 10 b     | 10 o | 10 B | 10 O | 10 2 | 10 .               |  |  |  |  | 6 &   | 3 1/4 |
| 10 c     | 10 p | 10 C | 8 P  | 10 3 | 6 ;                |  |  |  |  | 3 :   | 3 3/8 |
| 10 d     | 6 q  | 10 D | 4 Q  | 10 4 | 10 -               |  |  |  |  | 3 ?   | 3 1/2 |
| 20 e*    | 10 r | 10 E | 3 R  | 10 5 | 8 '.               |  |  |  |  | 3 !   | 3 3/8 |
| 10 f     | 10 s | 10 F | 10 S | 10 6 | 10 thin sp.        |  |  |  |  | 3 (   | 3 3/8 |
| 10 g     | 10 t | 10 G | 10 T | 10 7 | 10 fig. sp.        |  |  |  |  | 3 )   | 3 3/8 |
| 10 h     | 10 u | 9 H  | 3 U  | 10 8 | 10 em sp.          |  |  |  |  |       |       |
| 10 i     | 6 v  | 10 I | 6 V  | 10 9 | 10 — in channel 63 |  |  |  |  |       |       |
| 8 j      | 8 w  | 9 J  | 6 W  | 10 0 | 8 " in channel 70  |  |  |  |  |       |       |
| 6 k      | 6 x  | 6 K  | 4 X  | 8 \$ |                    |  |  |  |  |       |       |
| 10 l     | 8 y  | 10 L | 6 Y  |      |                    |  |  |  |  |       |       |
| 10 m     | 6 z  | 10 M |      |      |                    |  |  |  |  |       |       |

\*10 in first channel.

701 of J-4911 Matrices

90-Channel or Wide 90-Channel  
Full or Three-Quarter Length Magazine

## 9 DISPLAY FACES (LIST A or B), 770 Matrices

|      |      |      |      |      |      |             |
|------|------|------|------|------|------|-------------|
| 14 a | 12 n | 12 A | 11 N | 10 1 | 3 fl | 10 -        |
| 10 b | 14 o | 9 B  | 12 O | 10 2 | 3 fl | 8 -         |
| 10 c | 8 p  | 10 C | 7 P  | 10 3 | 3 fl | 8 '.        |
| 12 d | 5 q  | 10 D | 4 Q  | 10 4 | 3 fl | 10 "        |
| 14 e | 12 r | 14 E | 10 R | 10 6 | 3 fl | 15 .        |
| 10 f | 14 s | 8 F  | 12 S | 10 6 | 6 (  | 15 ,.       |
| 9 g  | 14 t | 3 G  | 12 T | 10 7 | 5 )  | 15 thin sp. |
| 12 h | 9 u  | 10 H | 3 U  | 10 8 | 10 . | 15 fig. sp. |
| 14 i | 6 v  | 11 I | 5 V  | 10 9 | 10 . | 15 em sp.   |
| 6 j  | 8 w  | 6 J  | 6 W  | 12 0 | 5 :  |             |
| 6 k  | 8 x  | 6 K  | 3 X  | 6 \$ | 6 :  |             |
| 12 l | 8 y  | 10 L | 6 Y  | 8 &  | 4 ?  |             |
| 10 m | 6 z  | 10 M | 4 Z  | 4 !  | 4 !  |             |

List A Faces, 725 of J-5025 or J-5040 (Two-Letter) Matrices

List B Faces, 725 of J-5035 or J-5050 (Two-Letter) Matrices

145 of J-4911 Spaces

## 90-Channel or Wide 90-Channel Split Magazine

## 10 DISPLAY FACES (LIST A or B). 606 Matrices

|      |      |     |     |      |      |               |
|------|------|-----|-----|------|------|---------------|
| 12 a | 10 m | 8 A | 8 N | 6 1  | 3 6  | 12 -          |
| 8 b  | 12 o | 6 B | 8 O | 6 2  | 3 6  | 10 -          |
| 8 c  | 8 p  | 6 C | 6 P | 6 3  | 3 6  | 8 -           |
| 8 d  | 6 q  | 6 D | 6 Q | 6 4  | 3 6  | 8 -           |
| 12 e | 10 r | 9 E | 8 R | 6 5  | 3 6  | 12 .          |
| 8 f  | 10 s | 6 F | 8 S | 6 6  | 6 (  | 12 .          |
| 8 g  | 12 t | 6 G | 8 T | 6 7  | 6 )  | \$12 thin sp. |
| 9 h  | 9 u  | 8 H | 6 U | 8 8  | 12 . | \$12 en sp.   |
| 12 i | 6 v  | 8 I | 6 V | 6 9  | 12 . | \$12 em sp.   |
| 6 j  | 7 w  | 6 J | 7 W | 10 0 | 6 :  |               |
| 6 k  | 6 x  | 6 K | 4 X | 6 3  | 6 :  |               |
| 10 l | 7 y  | 8 L | 6 Y | 3 &  | 4 ?  |               |
| 8 m  | 6 z  | 6 M | 4 Z | 4 !  | 4 !  |               |

List A Faces, 606 of J-5025 or J-5040 (Two-Letter) Matrices

List B Faces, 606 of J-5035 or J-5050 (Two-Letter) Matrices

\$36 of J-4911 Spaces

## 90-Channel or Wide 90-Channel Full Length Magazine

## 11 DISPLAY FACES (LIST A or B). 619 Matrices

## Cap Font

| KEYBOARD |      |      |       |                    |                 | SORTS |
|----------|------|------|-------|--------------------|-----------------|-------|
| 14 A     | 10 K | 12 U | 12 I  | 16 ' 3 ?           | 2 2             | 2 E   |
| 12 B     | 12 L | 8 V  | 10 2  | 16 . 5 !           | 2 2             | 2 E   |
| 12 C     | 12 M | 10 W | 10 3  | 6 :                | 2 2             | 2 4   |
| 10 D     | 14 N | 6 X  | 10 4  | 8 :                | \$20 thin space | 2 2   |
| 18 E     | 14 O | 10 Y | 15 5  | 12 -               | \$20 en space   | 2 2   |
| 10 F     | 10 P | 6 Z  | 10 6  | 12 ' \$20 em space | 2 2             | 2 4   |
| 10 G     | 8 Q  | 6 &  | 10 7  | 12 ' 2 2           | 2 2             | 2 4   |
| 10 H     | 12 R |      | 10 8  | 20 -               | 2 2             | 2 4   |
| 14 I     | 14 S |      | 10 9  | 3 (                | 2 2             | 2 4   |
| 12 J     | 14 T |      | 20 0  | 3 )                | 2 2             | 2 4   |
|          |      |      | 10 \$ |                    |                 |       |

List A Faces, 559 of J-5025 or J-5040 (Two-Letter) Matrices

List B Faces, 559 of J-5035 or J-5050 (Two-Letter) Matrices

\$40 of J-4911 Spaces

## 90-Channel or Wide 90-Channel Split Magazine

## 12 DISPLAY FACES (LIST A or B). 446 Matrices

## Cap Font

| KEYBOARD |      |     |      |                   |                 | SORTS |
|----------|------|-----|------|-------------------|-----------------|-------|
| 12 A     | 6 K  | 8 U | 6 1  | 10 . 6 ?          | 2 2             | 2 E   |
| 8 B      | 10 L | 6 V | 6 2  | 10 . 6 !          | 2 2             | 2 E   |
| 8 C      | 10 M | 8 W | 6 3  | 6 :               | 2 2             | 2 4   |
| 8 D      | 12 N | 4 X | 6 4  | 6 :               | 2 2             | 2 4   |
| 12 E     | 12 O | 8 Y | 6 5  | 10 -              | \$12 thin space | 2 2   |
| 8 F      | 8 P  | 6 Z | 6 6  | 8 ' \$12 en space | 2 2             | 2 4   |
| 8 G      | 6 Q  | 6 & | 6 7  | 8 ' \$12 em space | 2 2             | 2 4   |
| 8 H      | 12 R |     | 6 8  | 4 (               | 2 2             | 2 4   |
| 12 I     | 12 S |     | 6 9  | 4 )               | 2 2             | 2 4   |
| 8 J      | 12 T |     | 10 0 |                   |                 |       |
|          |      |     | 6 \$ |                   |                 |       |

List A Faces, 410 of J-5025 or J-5040 (Two-Letter) Matrices

List B Faces, 410 of J-5035 or J-5050 (Two-Letter) Matrices

\$36 of J-4911 Spaces

## 72-Channel Full or Three-Quarter Length Magazine

## 17 DISPLAY FACES (LIST A or B). 690 Matrices

| KEYBOARD |      |      |     |      |      |                     |  |  |  | SORTS |   |
|----------|------|------|-----|------|------|---------------------|--|--|--|-------|---|
| 12 a     | 10 l | 8 w  | 7 G | 8 R  | 10 1 | 12 -                |  |  |  | 3     | : |
| 10 b     | 10 m | 6 x  | 7 H | 10 B | 10 2 | 12 .                |  |  |  | 2     | : |
| 10 c     | 10 n | 8 y  | 8 I | 10 T | 10 3 | 5 ;                 |  |  |  | 2     | : |
| 10 d     | 12 o | 6 z  | 6 J | 7 U  | 10 4 | 8 ';                |  |  |  | 2     | : |
| 32 e*    | 8 p  |      | 6 K | 7 V  | 10 5 | 10 -                |  |  |  | 2     | : |
| 10 f     | 7 q  | 10 A | 8 L | 7 W  | 10 6 |                     |  |  |  | 3     | : |
| 10 g     | 12 r | 7 B  | 7 M | 6 X  | 10 7 | \$12 thin sp. in    |  |  |  | 4     | : |
| 10 h     | 12 s | 7 C  | 8 N | 7 Y  | 10 8 | chan. 70 .083       |  |  |  | 3     | : |
| 12 i     | 12 t | 7 D  | 8 O | 6 Z  | 10 9 | \$11 thin sp. .0277 |  |  |  |       |   |
| 8 j      | 10 u | 14 E | 8 P |      | 10 0 | \$11 en sp.         |  |  |  |       |   |
| 8 k      | 8 v  | 7 F  | 6 Q |      | 3 \$ | \$15 em sp. .249    |  |  |  |       |   |

\*16 in first channel.

List A Faces, 641 of J-5035 or J-5040 (Two-Letter) Matrices

List B Faces, 641 of J-5035 or J-5050 (Two-Letter) Matrices

‡ 49 of J-4911 Spaces

## 72-Channel Split Magazine

## 15 DISPLAY FACES (LIST A or B). 565 Matrices

| KEYBOARD |      |     |     |     |      |                     |  |  |  | SORTS |   |
|----------|------|-----|-----|-----|------|---------------------|--|--|--|-------|---|
| 10 a     | 8 l  | 6 w | 5 G | 5 R | 10 1 | 10 .                |  |  |  | 3     | : |
| 8 b      | 8 m  | 6 x | 6 H | 6 S | 10 2 | 10 .                |  |  |  | 2     | : |
| 8 c      | 10 n | 6 y | 8 I | 6 T | 10 3 | 5 ;                 |  |  |  | 2     | : |
| 8 d      | 10 o | 5 z | 4 J | 6 U | 10 4 | 8 ';                |  |  |  | 2     | : |
| 20 e*    | 8 p  |     | 4 K | 6 V | 10 5 | 10 -                |  |  |  | 2     | : |
| 8 f      | 5 q  | 8 A | 6 L | 5 W | 10 6 |                     |  |  |  | 5     | : |
| 8 g      | 10 r | 5 B | 6 M | 3 X | 10 7 | \$10 thin sp. in    |  |  |  | 4     | : |
| 8 h      | 10 s | 5 C | 6 N | 4 Y | 10 8 | chan. 70 .083       |  |  |  | 3     | : |
| 10 i     | 10 t | 5 D | 6 O | 3 Z | 10 9 | \$10 thin sp. .0277 |  |  |  |       |   |
| 6 j      | 10 u | 3 E | 6 P |     | 10 0 | \$10 em sp.         |  |  |  |       |   |
| 6 k      | 5 v  | 5 F | 4 Q |     | 8 \$ | \$10 em sp. .249    |  |  |  |       |   |

\*10 in first channel.

List A Faces, 525 of J-5035 or J-5040 (Two-Letter) Matrices

List B Faces, 525 of J-5035 or J-5050 (Two-Letter) Matrices

‡ 40 of J-4911 Spaces

## 72-Channel Split Magazine

## 16 DISPLAY FACES (LIST A or B). 414 Matrices

## Cap Font

| KEYBOARD |      |      |     |      |       |                     |  |  |  | SORTS |   |
|----------|------|------|-----|------|-------|---------------------|--|--|--|-------|---|
| 10 A     | 7 H  | 10 O | 7 V | 10 1 | 10 8  | 3 ;                 |  |  |  | 5     | : |
| 10 B     | 10 I | 7 P  | 7 W | 10 2 | 10 9  | 4 ';                |  |  |  | 2     | : |
| 10 C     | 7 J  | 7 Q  | 6 X | 10 3 | 10 0  |                     |  |  |  | 2     | : |
| 10 D     | 7 K  | 10 R | 7 Y | 10 4 | 10 \$ | \$10 thin sp. .0277 |  |  |  | 2     | : |
| 10 E     | 10 L | 10 S | 6 Z | 10 5 | 10 .  | \$10 em sp.         |  |  |  | 2     | : |
| 7 F      | 7 M  | 10 T |     | 10 6 | 10 .  | \$10 em sp. .249    |  |  |  | 2     | : |
| 7 G      | 10 N | 7 U  |     | 10 7 | 7 -   |                     |  |  |  | 4     | : |

List A Faces, 384 of J-5035 or J-5040 (Two-Letter) Matrices

List B Faces, 384 of J-5035 or J-5050 (Two-Letter) Matrices

‡ 30 of J-4911 Spaces

55-Channel Arrangement  
72-Channel Full or Three-Quarter Length Magazine

20

DISPLAY FACES (LIST B). 653 Matrices

| KEYBOARD |      |      |      |                 |  |  |  |  |  | SORTS |     |      |
|----------|------|------|------|-----------------|--|--|--|--|--|-------|-----|------|
| 14 a     | 12 m | 8 y  | 8 J  | 6 V             |  |  |  |  |  | 4 X   | 2 ( | 4 1  |
| 11 b     | 14 n | 6 z  | 6 K  | 8 W             |  |  |  |  |  | 2 Z   | 2 ) | 4 2  |
| 13 c     | 14 o |      | 10 L | 6 Y             |  |  |  |  |  | 2 &   | 4 ' | 4 3  |
| 12 d     | 11 p | 10 A | 8 M  |                 |  |  |  |  |  |       | 8 " | 4 4  |
| 16 e     | 8 q  | 8 B  | 12 N | 9 .             |  |  |  |  |  | 3 :   | 3 - | 4 5  |
| 12 f     | 14 r | 8 C  | 12 O | 9 .             |  |  |  |  |  | 3 :   |     | 4 6  |
| 11 g     | 14 s | 8 D  | 8 P  | 8 -             |  |  |  |  |  | 2 :   |     | 4 7  |
| 12 h     | 14 t | 14 E | 6 Q  |                 |  |  |  |  |  | 3 !   |     | 4 8  |
| 14 i     | 10 u | 8 F  | 12 R | \$16 thin space |  |  |  |  |  |       |     | 4 9  |
| 8 j      | 8 v  | 8 G  | 12 S | \$16 en space   |  |  |  |  |  |       |     | 5 0  |
| 8 k      | 10 w | 8 H  | 12 T |                 |  |  |  |  |  |       |     | 4 \$ |
| 13 l     | 6 x  | 12 I | 8 U  |                 |  |  |  |  |  |       |     |      |

621 of J-5035 or J-5050 (Two-Letter) Matrices

\$ 32 of J-4911 Spaces

55-Channel Arrangement  
72-Channel Split Magazine

18

DISPLAY FACES (LIST B). 462 Matrices

| KEYBOARD |      |     |     |                 |  |  |  |  |  | SORTS |     |      |
|----------|------|-----|-----|-----------------|--|--|--|--|--|-------|-----|------|
| 10 a     | 8 m  | 5 y | 4 J | 4 V             |  |  |  |  |  | 3 X   | 2 ( | 4 1  |
| 8 b      | 10 n | 5 z | 4 K | 5 W             |  |  |  |  |  | 3 Z   | 2 ) | 4 2  |
| 8 c      | 10 o |     | 6 L | 4 Y             |  |  |  |  |  | 3 &   | 4 ' | 4 3  |
| 8 d      | 8 p  | 8 A | 6 M |                 |  |  |  |  |  |       | 4 " | 4 4  |
| 10 e     | 5 q  | 5 B | 6 N | 10 .            |  |  |  |  |  | 3 :   | 3 - | 4 5  |
| 8 f      | 10 r | 5 C | 6 O | 10 .            |  |  |  |  |  | 3 :   |     | 4 6  |
| 8 g      | 10 s | 5 D | 5 P | 8 -             |  |  |  |  |  | 2 :   |     | 4 7  |
| 8 h      | 10 t | 8 E | 4 Q |                 |  |  |  |  |  | 3 !   |     | 4 8  |
| 10 i     | 8 u  | 5 F | 4 R | \$10 thin space |  |  |  |  |  |       |     | 4 9  |
| 5 j      | 5 v  | 5 G | 6 S | \$10 en space   |  |  |  |  |  |       |     | 7 0  |
| 5 k      | 6 w  | 4 H | 6 T |                 |  |  |  |  |  |       |     | 3 \$ |
| 8 l      | 4 x  | 8 I | 6 U |                 |  |  |  |  |  |       |     |      |

442 of J-5035 or J-5050 (Two-Letter) Matrices

\$ 20 of J-4911 Spaces

55-Channel Arrangement  
72-Channel Split Magazine

19

DISPLAY FACES (LIST B). 338 Matrices

Cap Font

| KEYBOARD |      |      |      |                 |  |  |  |  |  | SORTS |      |      |
|----------|------|------|------|-----------------|--|--|--|--|--|-------|------|------|
| 10 A     | 7 G  | 7 M  | 10 S | 10 .            |  |  |  |  |  | 4 X   | 3 )  | 5 4  |
| 10 B     | 7 H  | 10 N | 10 T | 10 .            |  |  |  |  |  | 4 Z   | 4 ') | 5 5  |
| 10 C     | 10 I | 10 O | 5 U  | 10 -            |  |  |  |  |  | 4 &   | 4 ') | 5 6  |
| 10 D     | 5 J  | 5 P  | 5 V  |                 |  |  |  |  |  | 4 :   | 3 -  | 5 7  |
| 10 E     | 5 K  | 5 Q  | 7 W  | \$10 thin space |  |  |  |  |  | 4 :   |      | 5 8  |
| 7 F      | 10 L | 10 R | 5 Y  | \$10 en space   |  |  |  |  |  | 3 ?   | 5 1  | 5 9  |
|          |      |      |      |                 |  |  |  |  |  | 4 1   | 5 2  | 5 0  |
|          |      |      |      |                 |  |  |  |  |  | 3 (   | 5 3  | 4 \$ |

318 of J-5035 or J-5050 (Two-Letter) Matrices

\$ 20 of J-4911 Spaces

49

## DISPLAY FACES (LIST A or B). 630 Matrices

| KEYBOARD |      |      |     |     |      |      |                |  |  | SORTS |  |
|----------|------|------|-----|-----|------|------|----------------|--|--|-------|--|
| 12 a     | 10 l | 6 w  | 6 G | 7 R | 10 1 | 12   |                |  |  | 3 &   |  |
| 8 b      | 9 m  | 5 x  | 7 H | 8 S | 10 2 | 12   |                |  |  | 3 :   |  |
| 8 c      | 10 n | 6 y  | 8 I | 8 T | 10 3 | 6    |                |  |  | 3 ;   |  |
| 8 d      | 12 o | 6 z  | 5 J | 6 U | 10 4 | 10   |                |  |  | 3 !   |  |
| 24 c*    | 8 p  |      | 5 K | 4 V | 10 5 | 6    |                |  |  | 3 (   |  |
| 8 f      | 6 q  | 8 A  | 7 L | 5 W | 10 6 |      |                |  |  | 3 )   |  |
| 8 g      | 10 r | 6 B  | 7 M | 4 X | 10 7 | \$12 | thin sp. in    |  |  | 4     |  |
| 10 h     | 12 s | 7 C  | 8 N | 5 Y | 10 8 |      | chan. 70, .083 |  |  | 3 -   |  |
| 12 i     | 12 t | 7 D  | 8 O | 4 Z | 10 9 | \$12 | thin sp. .0277 |  |  |       |  |
| 6 j      | 10 u | 10 E | 6 P |     | 12 0 | \$12 | em space       |  |  |       |  |
| 6 k      | 5 v  | 6 F  | 5 Q |     | 8 \$ | \$12 | em sp. .249    |  |  |       |  |

\*12 in first channel.

List A Faces, 582 of J-5025 or J-5040 (Two-Letter) Matrices

List B Faces, 582 of 5035 or J-5050 (Two-Letter) Matrices

148 of J-4911 Spaces

"Pi" or Keyboard

21

## JOB FONT. 167 Matrices

Display or Roman with Bold Face or Italic

|     |     |     |     |     |     |     |      |     |     |
|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|
| 6 A | 3 F | 2 K | 3 P | 3 U | 2 Z | 4 3 | 4 8  | 4 . | 2 ( |
| 2 B | 2 G | 4 L | 2 Q | 2 V | 2 & | 4 4 | 4 9  | 4 : | 2 ) |
| 4 C | 4 H | 4 M | 5 R | 3 W |     | 4 5 | 4 0  | 4 ; | 2 ! |
| 3 D | 6 I | 4 N | 5 S | 2 X | 4 1 | 4 6 | 3 \$ | 2 ' | 4   |
| 2 E | 3 J | 5 O | 6 T | 2 Y | 4 2 | 4 7 | 3 ,  | 2 ! | 4   |

Two-Letter: 167 of J-4911 Matrices

List A: 167 of J-5025 or J-5040 (Two-Letter) Matrices

List B: 167 of J-5035 or J-5050 (Two-Letter) Matrices

21A

## JOB FONTS. 167 Caps, 134 Lower Case

Display or Roman with Bold Face or Italic

| CAPS |     |     |     |      | LOWER CASE |     |     |  |  |
|------|-----|-----|-----|------|------------|-----|-----|--|--|
| 5 A  | 4 L | 3 W | 4 T | 2 -  | 7 a        | 6 l | 3 v |  |  |
| 3 B  | 4 M | 2 X | 4 5 | 4 .  | 4 b        | 6 m | 4 w |  |  |
| 3 C  | 4 N | 2 Y | 4 6 | 2 !  | 6 c        | 6 n | 2 x |  |  |
| 2 D  | 6 O | 2 Z | 4 0 | 2 ;  | 6 d        | 7 o | 3 y |  |  |
| 7 E  | 3 P |     | 2 2 | 2 \$ | 9 e        | 4 p | 2 z |  |  |
| 3 F  | 2 Q | 4 1 |     | 2 &  | 4 f        | 2 q |     |  |  |
| 3 G  | 6 R | 4 2 |     |      | 4 g        | 6 r | 2 n |  |  |
| 4 H  | 6 S | 4 3 |     |      | 6 h        | 6 s | 2 n |  |  |
| 6 I  | 6 T | 4 4 |     |      | 7 i        | 6 t | 2 n |  |  |
| 3 J  | 3 U | 4 5 |     |      | 3 j        | 6 u | 2 n |  |  |
| 3 K  | 2 V | 4 6 |     |      | 3 k        |     | 2 m |  |  |

Roman with Italic and Small Caps

| CAPS |     |      |       |       | LOWER CASE |     |     |  |  |
|------|-----|------|-------|-------|------------|-----|-----|--|--|
| 4 A  | 4 N | 4 1  | 2 (   | 3 -   | 7 a        | 6 n | 2 n |  |  |
| 2 B  | 5 O | 4 2  | 2 )   | 3 &   | 4 b        | 7 o | 2 n |  |  |
| 2 C  | 5 P | 4 3  | 2 ;   | 3 \$  | 4 c        | 3 p | 2 n |  |  |
| 3 D  | 2 Q | 4 4  | 2 !   | 3 ' 2 | 5 d        | 2 q | 2 n |  |  |
| 6 E  | 3 R | 4 5  | 2 \$  | 3 &   | 9 e        | 6 r | 2 n |  |  |
| 3 F  | 4 S | 4 6  | 2 ' 2 |       | 4 f        | 6 s | 2 n |  |  |
| 3 G  | 4 T | 4 7  |       | Small | 4 g        | 6 t | 2 n |  |  |
| 4 H  | 3 U | 4 8  |       | Caps  | 6 h        | 6 u | 2 n |  |  |
| 4 I  | 2 V | 4 9  |       | 2 x   | 7 i        | 3 v | 2 n |  |  |
| 3 J  | 3 W | 4 0  |       | 2 z   | 3 j        | 3 w |     |  |  |
| 3 K  | 2 X | 2 \$ |       |       | 3 k        | 2 x |     |  |  |
| 4 L  | 2 Y |      |       |       | 6 l        | 3 y |     |  |  |
| 4 M  | 2 Z |      |       |       | 5 m        | 2 z |     |  |  |

Two-Letter: 301 of J-4911 Matrices

List A: 301 of J-5025 or J-5040 (Two-Letter) Matrices

List B: 301 of J-5035 or J-5050 (Two-Letter) Matrices

**22 TWO-LETTER OR DISPLAY FACES. 289 Matrices**

| KEYBOARD |     |     |            |     | SORTS |     |     |
|----------|-----|-----|------------|-----|-------|-----|-----|
| 8 A      | 7 H | 8 O | 7 W        | 6 4 | 3 Q   | 3 & | 3 1 |
| 7 B      | 8 I | 6 P | 8 Y        | 6 5 | 3 X   | 2 ! | 3 2 |
| 7 C      | 7 J | 8 R |            | 6 6 | 3 Z   | 4 - | 3 3 |
| 7 D      | 5 K | 8 S | §10 em sp. | 6 7 | 6 .   | 2 ( | 3 4 |
| 9 E      | 8 L | 8 T | 6 1        | 6 8 | 6 .   | 2 ) | 3 5 |
| 8 F      | 7 M | 5 U | 6 2        | 6 9 | 2 ?   | 4 - | 3 6 |
| 7 G      | 9 N | 4 V | 6 3        | 8 0 |       |     |     |

Two-Letter, 289 of J-4911 Matrices

List A Faces, 279 of J-5025 or J-5040 (Two-Letter) Matrices

List B Faces, 279 of J-5035 or J-5050 (Two-Letter) Matrices

§ 10 of J-4911 Spaces (up to and including size .267).

J-5025 (size .270 to .356)

For TWO Auxiliary Magazines

**23 TWO-LETTER OR DISPLAY FACES. 490 Matrices**

| KEYBOARD |      |     |     |     | SORTS |                 |      |
|----------|------|-----|-----|-----|-------|-----------------|------|
| 10 a     | 8 i  | 6 w | 6 G | 6 R | 6 1   | 6 .             | 3 :  |
| 8 b      | 8 m  | 6 x | 6 H | 6 S | 6 2   | 6 .             | 3 ;  |
| 8 c      | 8 n  | 7 y | 8 I | 8 T | 6 3   | 6 .             | 3 ?  |
| 8 d      | 10 o | 6 z | 5 J | 6 U | 6 4   | §8 figure space | 3 (  |
| 10 e     | 8 p  |     | 5 K | 4 V | 6 5   | §8 em space     | 3 )  |
| 8 f      | 5 q  | 8 A | 6 L | 5 W | 6 6   |                 | 4 -  |
| 8 g      | 8 r  | 6 B | 6 M | 4 X | 6 7   |                 | 3 &  |
| 8 h      | 8 s  | 6 C | 6 N | 5 Y | 6 8   |                 | 4 '. |
| 10 i     | 10 t | 6 D | 6 O | 4 Z | 6 9   |                 | 4 '. |
| 8 j      | 8 u  | 8 E | 5 P |     | 8 0   |                 | 4 -  |
| 6 k      | 5 v  | 6 F | 4 Q |     | 6 §   |                 |      |

Two-Letter: 490 of J-4911 Matrices

List A: 474 of J-5025 or J-5040 (Two-Letter) Matrices

List B: 474 of J-5035 or J-5050 (Two-Letter) Matrices

§ 16 of J-4911 Spaces.

90-Channel Split Magazine

**59 TWO-LETTER OR DISPLAY FACES (LIST A). 360 Matrices**

Caps and Points in Cap or Center Channels of 90-Channel Magazine. Figures Pl. Keyboard Diagram No. 6 or 22

| KEYBOARD |      |      |      |      | SORTS |     |  |
|----------|------|------|------|------|-------|-----|--|
| 12 A     | 10 J | 12 S | 10 . | 10 - | 4 &   | 5 6 |  |
| 10 B     | 8 K  | 12 T | 10 . | 5 -  | 5 1   | 5 7 |  |
| 10 C     | 10 L | 6 U  | 3 .  | 4 '. | 6 2   | 6 8 |  |
| 10 D     | 10 M | 6 V  | 6 .  | 4 '. | 5 3   | 5 9 |  |
| 12 E     | 12 N | 6 W  | 3 ?  |      | 6 4   | 8 0 |  |
| 10 F     | 8 O  | 5 X  | 3 !  |      | 5 8   | 3 § |  |
| 10 G     | 8 P  | 8 Y  | 3 (  |      |       |     |  |
| 10 H     | 6 Q  | 6 Z  | 3 )  |      |       |     |  |
| 8 I      | 12 R |      |      |      |       |     |  |

Two-Letter: 360 of J-4911 Matrices. List A: 360 of J-5025 or J-5040 (Two-Letter) Matrices

52

## TWO-LETTER OR DISPLAY FACES (LIST A). 390 Matrices

Caps and Points in Lower Case Channels of 90-Channel Magazine. Figures Pl. Keyboard Diagram No. 6 or 22

| KEYBOARD |      |      |                  | SORTS |     |     |
|----------|------|------|------------------|-------|-----|-----|
| 12 A     | 10 J | 12 S | 10 .             | 4 &   | 5 7 | 3 7 |
| 10 B     | 8 K  | 12 T | 10 .             | 5 1   | 5 8 | 3 1 |
| 10 C     | 10 L | 6 U  | 10 -             | 5 2   | 5 9 | 3 ( |
| 10 D     | 10 M | 6 V  | 110 thin space   | 5 3   | 6 0 | 3 ) |
| 12 E     | 12 N | 6 W  | 110 figure space | 5 4   | 3 3 | 3 ) |
| 10 F     | 8 O  | 5 X  | 110 em space     | 5 5   | 3 : | 4 * |
| 10 G     | 8 P  | 8 Y  |                  | 5 6   | 6 : | 4 * |
| 10 H     | 6 Q  | 5 Z  |                  |       |     |     |
| 8 I      | 12 R |      |                  |       |     |     |

Two-Letter: 390 of J-4911 Matrices. List A: 380 of J-5025 or J-5040 (Two-Letter) Matrices. 130 of J-4911 Spaces

53

## TWO-LETTER OR DISPLAY FACES (LIST A). 660 Matrices

Caps, Lower Case and Points in Center and Lower Case Channels, or Cap and Lower Case Channels of 90-Channel Magazine. Figures Pl. Keyboard Diagram No. 6 or 22

| KEYBOARD |      |      |      | SORTS |     |     |
|----------|------|------|------|-------|-----|-----|
| 12 a     | 12 n | 10 A | 10 N | 3 &   | 2 : | 2 : |
| 12 b     | 12 o | 8 B  | 8 O  | 5 1   | 2 7 | 2 7 |
| 12 c     | 10 p | 8 C  | 8 P  | 5 2   | 2 1 | 2 1 |
| 12 d     | 8 q  | 8 D  | 8 Q  | 5 3   | 3 ( | 3 ( |
| 12 e     | 12 r | 10 E | 8 R  | 5 4   | 3 ) | 3 ) |
| 12 f     | 12 s | 8 F  | 10 S | 5 5   | 4 * | 4 * |
| 12 g     | 12 t | 8 G  | 10 T | 5 6   |     |     |
| 10 h     | 12 u | 8 H  | 6 U  | 5 7   |     |     |
| 12 i     | 8 v  | 6 I  | 6 V  | 5 8   |     |     |
| 10 j     | 8 w  | 6 J  | 8 W  | 5 9   |     |     |
| 8 k      | 8 x  | 6 K  | 6 X  | 8 0   |     |     |
| 12 l     | 10 y | 8 L  | 8 Y  | 3 3   |     |     |
| 12 m     | 8 z  | 8 M  | 5 Z  |       |     |     |

Two-Letter: 660 of J-4911 Matrices. List A: 624 of J-5025 or J-5040 (Two-Letter) Matrices. 136 of J-4911 Spaces

54

## TWO-LETTER ROMAN WITH ITALIC AND SMALL CAP FACES. 770 Matrices

Caps, Lower Case and Points in Lower Case and Center Channels, or in Lower Case and Cap Channels of 90-Channel Magazine. Figures Pl. Keyboard Diagram No. 6 or 22

| KEYBOARD |      |      |      | SORTS       |            |          |       |
|----------|------|------|------|-------------|------------|----------|-------|
| 12 a     | 10 q | 8 F  | 5 V  | 6 :         | Roman with | Roman    | Small |
| 12 b     | 12 r | 8 G  | 6 W  | 3 7         | Small Caps | & Italic | Caps  |
| 12 c     | 12 s | 8 H  | 5 X  | 3 1         | 2 x        | 3 &      | 2 x   |
| 12 d     | 12 t | 8 I  | 7 Y  | 4 (         | 2 &        | 3 0      | 5 1   |
| 12 e     | 12 u | 10 J | 5 Z  | 4 )         | 3 1        | 2 5      | 5 2   |
| 12 f     | 10 v | 6 K  | 4 *  | 3 2         | 2 0        | 5 3      | 5 3   |
| 12 g     | 10 w | 10 L | 6 11 | 12 -        | 2 3        | 2 11     | 5 4   |
| 12 h     | 6 x  | 10 M | 3 11 | 3 -         | 3 4        | 2 11     | 5 5   |
| 12 i     | 12 y | 10 N | 6 11 | 4 *         | 3 5        | 2 :      | 5 6   |
| 12 j     | 6 z  | 8 O  | 3 11 | 4 *         | 3 6        | 3 (      | 5 7   |
| 10 k     |      | 8 P  | 3 11 | 12 thin sp. | 3 7        | 3 )      | 5 7   |
| 12 l     | 12 A | 6 Q  | 3 11 | 12 fig. sp. | 3 8        | 2 11     | 5 9   |
| 12 m     | 8 R  | 10 R | 3 11 | 12 em sp.   | 2 11       | 2 11     | 8 0   |
| 12 n     | 8 C  | 10 S | 12 , | 4 *         |            |          | 4 *   |
| 12 o     | 8 D  | 10 T | 12 , |             |            |          |       |
| 12 p     | 12 E | 6 U  | 5 ;  |             |            |          |       |

770 of J-4911 Matrices

## 24 DISPLAY FACES (LIST A or B). 570 Matrices

Lower Case in Cap Channels of 90-Channel Magazine.  
Caps and Figures in Auxiliary Magazine

| KEYBOARD |      |     |     |     |     | SORTS |      |
|----------|------|-----|-----|-----|-----|-------|------|
| 12 a     | 12 i | 7 w | 7 G | 8 8 | 6 1 | 5 Q   | 12 . |
| 10 b     | 10 m | 5 x | 7 H | 8 9 | 6 2 | 5 X   | 4 .  |
| 10 c     | 12 n | 7 y | 8 1 | 5 U | 6 3 | 3 Z   | 3 .  |
| 10 d     | 12 o | 6 a | 7 J | 4 V | 6 4 | 2 n   | 4 .  |
| 12 e     | 8 p  |     | 5 K | 7 W | 6 5 | 2 n   | 4 .  |
| 10 f     | 6 q  | 8 A | 8 L | 6 Y | 6 6 | 2 n   | 2 t  |
| 10 g     | 12 r | 7 B | 7 M |     | 6 7 | 2 n   | 2 7  |
| 10 h     | 12 s | 7 C | 9 N |     | 6 8 | 2 n   | 6 .  |
| 12 i     | 12 t | 7 D | 8 O |     | 6 9 | 3 (   | 3 &  |
| 10 j     | 10 u | 9 E | 6 P |     | 8 0 | 2 )   | 3 8  |
| 8 k      | 7 v  | 8 F | 8 R |     |     | 12 .  | 4 -  |

List A: 500 of J-5025 or J-5040 (Two-Letter) Matrices

List B: 500 of J-5025 or J-5050 (Two-Letter) Matrices  
‡ 10 of J-4911 Spaces

## 56 DISPLAY FACES (LIST A or B). 600 Matrices

Lower Case and Points in Cap and Center Channels  
(Diagram No. 135) of 90-Channel Magazine.  
Caps and Figures in Auxiliary Magazine

| KEYBOARD |      |     |     |      |               | SORTS |  |
|----------|------|-----|-----|------|---------------|-------|--|
| 12 a     | 12 n | 8 A | 7 M | 8 1  | 5 :           | 2 n   |  |
| 10 b     | 12 o | 7 B | 9 N | 6 2  | 6 .           | 2 n   |  |
| 10 c     | 8 p  | 7 C | 8 O | 6 3  | 5 .           | 2 n   |  |
| 10 d     | 6 q  | 7 D | 6 P | 6 4  | 5 !           | 2 n   |  |
| 12 e     | 12 r | 9 E | 8 R | 6 5  | 5 (           | 2 n   |  |
| 10 f     | 12 s | 8 F | 8 8 | 6 6  | 5 )           | 3 Z   |  |
| 10 g     | 12 t | 7 G | 8 T | 6 7  | 12 -          | 3 &   |  |
| 10 h     | 10 u | 7 H | 5 U | 6 8  | 8 -           | 3 Q   |  |
| 12 i     | 7 v  | 8 I | 4 V | 6 9  | 8 .           | 3 X   |  |
| 10 j     | 7 w  | 7 J | 7 W | 8 0  | 8 .           | 4 7   |  |
| 8 k      | 6 x  | 5 K | 6 Y | 10 . | ‡ 10 em space |       |  |
| 10 l     | 7 y  | 8 L |     | 10 . |               |       |  |
| 10 m     | 6 z  |     |     |      |               |       |  |

List A: 590 of J-5025 or J-5040 (Two-Letter) Matrices

List B: 590 of J-5035 or J-5050 (Two-Letter) Matrices  
‡ 10 of J-4911 Spaces

## 55 DISPLAY FACES (LIST A). 667 Matrices

Lower Case and Points in Lower Case and Center Channels  
(Diagram No. 135) of 90-Channel Magazine.  
Caps and Figures in Auxiliary Magazine

| KEYBOARD |      |     |     |     |      | SORTS             |     |
|----------|------|-----|-----|-----|------|-------------------|-----|
| 12 a     | 12 n | 8 A | 7 M | 5 n | 6 7  | 12 -              | 5 Q |
| 10 b     | 12 o | 7 B | 9 N | 5 n | 6 8  | 8 -               | 3 X |
| 10 c     | 8 p  | 7 C | 8 O | 5 n | 6 9  | 8 .               | 3 Z |
| 10 d     | 6 q  | 7 D | 6 P | 5 n | 8 0  | 8 .               | 4 7 |
| 12 e     | 12 r | 9 E | 8 R | 5 n | 10 . | 8 !               |     |
| 10 f     | 12 s | 8 F | 8 8 | 3 & | 10 . | 8 .               |     |
| 10 g     | 12 t | 7 G | 8 T |     | 5 :  | ‡ 12 thin space   |     |
| 10 h     | 10 u | 7 H | 5 U | 6 1 | 6 :  | ‡ 12 figure space |     |
| 12 i     | 7 v  | 8 I | 4 V | 6 2 | 5 ?  | ‡ 12 em space     |     |
| 10 j     | 7 w  | 7 J | 7 W | 6 3 | 5 :  | ‡ 10 em space     |     |
| 8 k      | 6 x  | 5 K | 6 Y | 6 4 | 3 (  | (Auxiliary)       |     |
| 10 l     | 7 y  | 8 L |     | 6 5 | 5 )  |                   |     |
| 10 m     | 6 z  |     |     | 6 6 |      |                   |     |

List A: 621 of J-5025 or J-5040 (Two-Letter) Matrices

‡ 46 of J-4911 Spaces



57

## DISPLAY FACES (LIST A or B). 550 Matrices

Lower Case and Points in Left Side of 72-Channel  
Magazine (Diagram No. 149). Caps and  
Figures in Auxiliary Magazine

| KEYBOARD |      |     |     |     |                             |  |  |  |  | (SORTS) |
|----------|------|-----|-----|-----|-----------------------------|--|--|--|--|---------|
| 10 a     | 10 n | 8 A | 7 M | 6 1 | 8 ,                         |  |  |  |  | 2 Q     |
| 8 b      | 10 o | 7 B | 9 N | 6 2 | 8 .                         |  |  |  |  | 2 X     |
| 8 c      | 8 p  | 7 C | 8 O | 6 3 | 5 :                         |  |  |  |  | 2 Z     |
| 8 d      | 5 q  | 7 D | 6 P | 6 4 | 5 ;                         |  |  |  |  | 2 &     |
| 20 e*    | 10 r | 9 E | 8 R | 6 5 | 8 "                         |  |  |  |  | 1 ?     |
| 8 f      | 10 s | 8 F | 8 S | 6 6 | 8 "                         |  |  |  |  | 1 !     |
| 8 g      | 10 t | 7 G | 8 T | 6 7 | 8 '                         |  |  |  |  | 1 (     |
| 8 h      | 10 u | 7 H | 5 U | 6 8 | 10 thin space .0277         |  |  |  |  | 1 )     |
| 10 i     | 5 v  | 8 I | 4 V | 6 9 | 10 em space                 |  |  |  |  | 2 —     |
| 5 j      | 5 w  | 7 J | 7 W | 8 0 | 10 em space                 |  |  |  |  |         |
| 5 k      | 5 x  | 5 K | 6 Y | 6 5 | 10 em space (aux. magazine) |  |  |  |  |         |
| 8 l      | 5 y  | 8 L |     |     |                             |  |  |  |  |         |
| 8 m      | 5 z  |     |     |     |                             |  |  |  |  |         |

\*10 in first channel.

List A Faces, 510 of J-5025 or J-5040 (Two-Letter) Matrices

List B Faces, 510 of J-5035 or J-5050 (Two-Letter) Matrices

140 of J-4911 Spaces

58

## DISPLAY FACES (LIST A or B). 510 Matrices

Lower Case and Points in Right Side of 72-Channel  
Magazine (Diagram No. 149). Caps and  
Figures in Auxiliary Magazine

| KEYBOARD |      |     |     |     |     |             |  |  |  | (SORTS) |
|----------|------|-----|-----|-----|-----|-------------|--|--|--|---------|
| 10 a     | 8 I  | 6 w | 7 G | 8 8 | 6 1 | 8 ,         |  |  |  | 2 Q     |
| 8 b      | 8 m  | 5 z | 7 H | 8 T | 6 2 | 8 .         |  |  |  | 2 X     |
| 8 c      | 10 n | 6 y | 8 I | 5 U | 6 3 | 5 :         |  |  |  | 2 Z     |
| 8 d      | 10 o | 5 x | 7 J | 4 V | 6 4 | 5 ;         |  |  |  | 2 &     |
| 10 e     | 8 p  | 8 A | 8 L | 6 Y | 6 5 | 8 "         |  |  |  | 2 —     |
| 8 f      | 5 q  | 8 A | 8 L | 6 Y | 6 6 | 8 "         |  |  |  | 1 ?     |
| 8 g      | 10 r | 7 B | 7 M |     | 6 7 | 8 '         |  |  |  | 1 !     |
| 8 h      | 10 s | 7 C | 9 N |     | 6 8 | 10 em space |  |  |  | 1 (     |
| 10 i     | 10 t | 7 D | 8 O |     | 6 9 |             |  |  |  | 1 )     |
| 5 j      | 10 u | 9 E | 6 P |     | 8 0 |             |  |  |  |         |
| 5 k      | 5 v  | 8 F | 8 R |     | 6 5 |             |  |  |  |         |

List A Faces, 500 of J-5025 or J-5040 (Two-Letter) Matrices

List B Faces, 500 of J-5035 or J-5050 (Two-Letter) Matrices

110 of J-4911 Spaces (up to and including size .287), J-5035 (size .270 to .356)

## LINOTYPE KEYBOARD DIAGRAMS

On the following pages are shown twenty-seven keyboard diagrams representing those most used in the United States and Canada. They provide a variety to cover practical operating layouts for all models of Linotypes, their individual application depending upon the face desired and the magazine intended.

The diagrams serve a two-fold purpose. First, they show the keyboard buttons to which the individual characters respond in a given layout. Second, they indicate, by the numbers under the buttons, the magazine channels in which the corresponding characters are cut to run. When two channels of lower-case "e" are used, the additional channel is number "0" in the magazine.

Any departure from standard layouts is to be avoided due to magazine channel size limitations and the possibility of error in ordering sorts of such specially cut characters. However, if it becomes essential to order characters cut for special channels, always designate location of character by channel number instead of character regularly assigned to that channel. Example: "To run in Channel No. 85, Diagram No. 12," instead of "To run in Cap X Channel."

### THE DIAGRAMS

| Description                    | Number | Page | Description                             | Number       | Page      |
|--------------------------------|--------|------|-----------------------------------------|--------------|-----------|
| <b>90-Channel:</b>             |        |      | <b>72-Channel:</b>                      |              |           |
| Text and Display               |        |      | Text and Display                        |              |           |
| Faces . . . . .                | 12     | 79   | Faces . . . . .                         | 103-C        | 86        |
| Text and Display               |        |      | Text and Display                        |              |           |
| Faces . . . . .                | 11     | 79   | Faces . . . . .                         | 103          | 87        |
| Advertising Figures .          | 32     | 80   | Two Lower Case                          |              |           |
| Two Lower Case                 |        |      | Fonts . . . . .                         | 149          | 86        |
| Fonts . . . . .                | 135    | 80   | <b>55-Channel Face . . .</b>            | <b>103-A</b> | <b>87</b> |
| One Lower Case and             |        |      | <b>34-Channel:</b>                      |              |           |
| Two Cap Fonts . .              | 6      | 81   | Caps and Figures . .                    | 52           | 88        |
| One Lower Case and             |        |      | Caps and Figures . .                    | 163          | 88        |
| Two Cap Fonts . .              | 22-A   | 81   | Lower Case and                          |              |           |
| One Lower Case and             |        |      | Points . . . . .                        | 52-A         | 89        |
| Two Cap Fonts . .              | 22-B   | 82   | Advertising Figures .                   | 51-A         | 89        |
| Two Cap Fonts . . .            | 87     | 82   | <b>34-Channel (Linotypes with Sepa-</b> |              |           |
| Three Cap Fonts . .            | 6-A    | 83   | <b>rate Auxiliary Keyboard):</b>        |              |           |
| Three Cap Fonts . .            | 22     | 83   | Caps and Figures . .                    | 177          | 90        |
| Two Lining Faces . .           | 138    | 84   | Lower Case Points .                     | 177-A        | 90        |
| Three Lining Faces .           | 98     | 84   | Advertising Figures .                   | 177-B        | 91        |
| Hebrew . . . . .               | 13     | 85   | <b>28-Channel:</b>                      |              |           |
| <b>72-90-Channel Keyboard,</b> |        |      | Caps . . . . .                          | 95           | 92        |
| 2 in 1 Linotype . . .          | 150    | 85   | Advertising Figures .                   | 96           | 92        |

DIAGRAM No. 12

|   |    |    |    |    |           |           |           |    |    |    |    |    |    |           |
|---|----|----|----|----|-----------|-----------|-----------|----|----|----|----|----|----|-----------|
| a | s  | c  | v  | x  | m         | 7         | -         | 1  | 7  | E  | S  | C  | V  | X         |
| 1 | 7  | 13 | 19 | 25 | 31        | 37        | 43        | 49 | 55 | 61 | 67 | 73 | 79 | 85        |
| t | h  | m  | b  | x  | 10<br>100 | 11<br>110 | 12<br>120 | 2  | 8  | T  | H  | M  | B  | Z         |
| 2 | 8  | 14 | 20 | 26 | 32        | 38        | 44        | 50 | 56 | 62 | 68 | 74 | 80 | 86        |
| s | r  | f  | g  | 6  | .         | (         | )         | 3  | 9  | A  | R  | F  | G  | 10<br>110 |
| 3 | 9  | 15 | 21 | 27 | 33        | 39        | 45        | 51 | 57 | 63 | 69 | 75 | 81 | 87        |
| o | d  | w  | k  | 8  | .         |           | .         | 4  | 0  | O  | D  | W  | K  | 12<br>120 |
| 4 | 10 | 16 | 22 | 28 | 34        | 40        | 46        | 52 | 58 | 64 | 70 | 76 | 82 | 88        |
| i | l  | y  | q  | 5  | 1         | .         | .         | 5  | 1  | I  | L  | Y  | Q  | 13<br>130 |
| 5 | 11 | 17 | 23 | 29 | 35        | 41        | 47        | 53 | 59 | 65 | 71 | 77 | 83 | 89        |
| u | p  | j  | 6  | 1  | 1         | .         | .         | 6  | 1  | N  | U  | P  | J  | -         |
| 6 | 12 | 18 | 24 | 30 | 36        | 42        | 48        | 54 | 60 | 66 | 72 | 78 | 84 | 90        |

90-CHANNEL FACE, FRACTIONS PI

(Standard Linotype Keyboard)

DIAGRAM No. 11

|   |    |    |    |    |           |           |           |    |    |    |    |    |    |           |
|---|----|----|----|----|-----------|-----------|-----------|----|----|----|----|----|----|-----------|
| a | s  | c  | v  | x  | 1/4       | 1/2       | -         | 1  | 7  | E  | S  | C  | V  | X         |
| 1 | 7  | 13 | 19 | 25 | 31        | 37        | 43        | 49 | 55 | 61 | 67 | 73 | 79 | 85        |
| t | h  | m  | b  | x  | 10<br>100 | 11<br>110 | 12<br>120 | 2  | 8  | T  | H  | M  | B  | 1/4       |
| 2 | 8  | 14 | 20 | 26 | 32        | 38        | 44        | 50 | 56 | 62 | 68 | 74 | 80 | 86        |
| s | r  | f  | g  | 6  | .         | (         | )         | 3  | 9  | A  | R  | F  | G  | 10<br>110 |
| 3 | 9  | 15 | 21 | 27 | 33        | 39        | 45        | 51 | 57 | 63 | 69 | 75 | 81 | 87        |
| o | d  | w  | k  | 8  | .         |           | .         | 4  | 0  | O  | D  | W  | K  | 12<br>120 |
| 4 | 10 | 16 | 22 | 28 | 34        | 40        | 46        | 52 | 58 | 64 | 70 | 76 | 82 | 88        |
| i | l  | y  | q  | 5  | 1         | .         | .         | 5  | 1  | I  | L  | Y  | Q  | 13<br>130 |
| 5 | 11 | 17 | 23 | 29 | 35        | 41        | 47        | 53 | 59 | 65 | 71 | 77 | 83 | 89        |
| u | p  | j  | 6  | 1  | 1         | .         | .         | 6  | 1  | N  | U  | P  | J  | -         |
| 6 | 12 | 18 | 24 | 30 | 36        | 42        | 48        | 54 | 60 | 66 | 72 | 78 | 84 | 90        |

90-CHANNEL FACE, FRACTIONS KEYBOARD

DIAGRAM No. 32

|   |    |    |    |    |           |           |           |    |    |    |    |    |    |    |  |
|---|----|----|----|----|-----------|-----------|-----------|----|----|----|----|----|----|----|--|
| e | a  | c  | v  | x  | 3         | 4         | -         | 1  | 7  | E  | S  | C  | V  | 7  |  |
| 1 | 7  | 12 | 18 | 25 | 31        | 37        | 43        | 49 | 55 | 61 | 67 | 73 | 79 | 85 |  |
| t | h  | m  | b  | x  | to<br>POS | to<br>POS | no<br>POS | 2  | 8  | T  | H  | M  | B  | 8  |  |
| 2 | 8  | 14 | 20 | 26 | 32        | 38        | 44        | 50 | 56 | 62 | 68 | 74 | 80 | 86 |  |
| a | r  | f  | g  | 6  | .         | .         | .         | 3  | 9  | A  | R  | F  | G  | 9  |  |
| 3 | 9  | 15 | 21 | 27 | 33        | 39        | 45        | 51 | 57 | 63 | 69 | 75 | 81 | 87 |  |
| o | d  | w  | k  | l  | .         | 5         | no<br>POS | 4  | 0  | O  | D  | W  | K  | 0  |  |
| 4 | 10 | 16 | 22 | 28 | 34        | 40        | 46        | 52 | 58 | 64 | 70 | 76 | 82 | 88 |  |
| i | l  | y  | q  | ff | :         | '         | '         | 8  | \$ | I  | L  | Y  | Q  | f  |  |
| 5 | 11 | 17 | 23 | 29 | 35        | 41        | 47        | 53 | 59 | 65 | 71 | 77 | 83 | 89 |  |
| n | u  | p  | j  | 2  | :         | S         | 6         | 6  | .. | N  | U  | P  | J  | —  |  |
| 6 | 12 | 18 | 24 | 30 | 36        | 42        | 48        | 54 | 60 | 66 | 72 | 78 | 84 | 90 |  |

ADVERTISING FIGURES IN 96-CHANNEL MAGAZINE

DIAGRAM No. 135

|   |    |    |    |    |           |           |           |    |    |    |    |    |    |    |  |
|---|----|----|----|----|-----------|-----------|-----------|----|----|----|----|----|----|----|--|
| e | a  | c  | v  | x  | 3         | 4         | -         | ?  | -  | e  | s  | c  | v  | x  |  |
| 1 | 7  | 12 | 18 | 25 | 31        | 37        | 43        | 49 | 55 | 61 | 67 | 73 | 79 | 85 |  |
| t | h  | m  | b  | x  | to<br>POS | to<br>POS | no<br>POS | (  | )  | t  | h  | m  | b  | x  |  |
| 2 | 8  | 14 | 20 | 26 | 32        | 38        | 44        | 50 | 56 | 62 | 68 | 74 | 80 | 86 |  |
| a | r  | f  | g  | 6  | .         | (         | )         | .  | '  | a  | r  | f  | q  |    |  |
| 3 | 9  | 15 | 21 | 27 | 33        | 39        | 45        | 51 | 57 | 63 | 69 | 75 | 81 | 87 |  |
| o | d  | w  | k  | 6  | .         |           | no<br>POS | .  | '  | o  | d  | w  | k  |    |  |
| 4 | 10 | 16 | 22 | 28 | 34        | 40        | 46        | 52 | 58 | 64 | 70 | 76 | 82 | 88 |  |
| i | l  | y  | q  | ff | :         | '         | '         | :  | i  | i  | l  | y  | q  | &  |  |
| 5 | 11 | 17 | 23 | 29 | 35        | 41        | 47        | 53 | 59 | 65 | 71 | 77 | 83 | 89 |  |
| n | u  | p  | j  | 6  |           |           |           | :  | -  | n  | u  | p  | j  | —  |  |
| 6 | 12 | 18 | 24 | 30 | 36        | 42        | 48        | 54 | 60 | 66 | 72 | 78 | 84 | 90 |  |

TWO LOWER CASE FONTS IN 96-CHANNEL MAGAZINE

DIAGRAM No. 5

|   |    |    |                      |                      |    |    |    |    |    |    |    |    |    |    |
|---|----|----|----------------------|----------------------|----|----|----|----|----|----|----|----|----|----|
| e | a  | c  | v                    | x                    | E  | S  | C  | V  | X  | E  | S  | C  | V  | X  |
| 1 | 7  | 13 | 19                   | 25                   | 31 | 37 | 43 | 49 | 55 | 61 | 67 | 73 | 79 | 85 |
| t | h  | m  | b                    | z                    | T  | H  | M  | B  | Z  | T  | H  | M  | B  | Z  |
| 2 | 8  | 14 | 20                   | 26                   | 32 | 38 | 44 | 50 | 56 | 62 | 68 | 74 | 80 | 86 |
| a | r  | f  | g                    | :                    | A  | R  | F  | G  | .  | A  | R  | F  | G  | .  |
| 3 | 9  | 15 | 21                   | 27                   | 33 | 39 | 45 | 51 | 57 | 63 | 69 | 75 | 81 | 87 |
| o | d  | w  | k                    | <sup>no</sup><br>cap | O  | D  | W  | K  | .  | O  | D  | W  | K  | .  |
| 4 | 10 | 16 | 22                   | 28                   | 34 | 40 | 46 | 52 | 58 | 64 | 70 | 76 | 82 | 88 |
| i | l  | y  | q                    | <sup>no</sup><br>cap | I  | L  | Y  | Q  | .  | I  | L  | Y  | Q  | .  |
| 5 | 11 | 17 | 23                   | 29                   | 35 | 41 | 47 | 53 | 59 | 65 | 71 | 77 | 83 | 89 |
| u | p  | j  | <sup>no</sup><br>cap | N                    | U  | P  | J  | —  | N  | U  | P  | J  | :  |    |
| 6 | 12 | 18 | 24                   | 30                   | 36 | 42 | 48 | 54 | 60 | 66 | 72 | 78 | 84 | 90 |

LOWER CASE AND CAPS OF SAME FACE IN LOWER CASE AND CENTER  
CHANNELS—CAPS OF ANOTHER FACE IN CAP CHANNELS  
(Caps in center channels according to regular Cap Layout)

DIAGRAM No. 22-A

|   |    |    |    |    |                      |                      |                      |    |    |    |    |    |    |    |
|---|----|----|----|----|----------------------|----------------------|----------------------|----|----|----|----|----|----|----|
| e | a  | c  | v  | x  | M                    | X                    | .                    | V  | G  | E  | S  | C  | V  | X  |
| 1 | 7  | 13 | 19 | 25 | 31                   | 37                   | 43                   | 49 | 55 | 61 | 67 | 73 | 79 | 85 |
| t | h  | m  | b  | z  | <sup>no</sup><br>cap | <sup>no</sup><br>cap | <sup>no</sup><br>cap | B  | R  | T  | H  | M  | B  | U  |
| 2 | 8  | 14 | 20 | 26 | 32                   | 38                   | 44                   | 50 | 56 | 62 | 68 | 74 | 80 | 86 |
| a | r  | f  | g  | £  | .                    | A                    | Q                    | C  | T  | A  | R  | F  | G  | H  |
| 3 | 9  | 15 | 21 | 27 | 33                   | 39                   | 45                   | 51 | 57 | 63 | 69 | 75 | 81 | 87 |
| o | d  | w  | k  | Y  | .                    | I                    | L                    | D  | J  | O  | D  | W  | K  | K  |
| 4 | 10 | 16 | 22 | 28 | 34                   | 40                   | 46                   | 52 | 58 | 64 | 70 | 76 | 82 | 88 |
| i | l  | y  | q  | f  | S                    |                      | .                    | E  | P  | i  | L  | Y  | Q  | N  |
| 5 | 11 | 17 | 23 | 29 | 35                   | 41                   | 47                   | 53 | 59 | 65 | 71 | 77 | 83 | 89 |
| n | u  | p  | j  | W  | :                    | Z                    | O                    | F  | Z  | N  | U  | P  | J  | —  |
| 6 | 12 | 18 | 24 | 30 | 36                   | 42                   | 48                   | 54 | 60 | 66 | 72 | 78 | 84 | 90 |

LOWER CASE AND CAPS OF SAME FACE IN LOWER CASE AND CENTER  
CHANNELS—CAPS OF ANOTHER FACE IN CAP CHANNELS  
(Caps in center channels according to regular Small Cap Layout)

DIAGRAM No. 22-B

|   |    |    |    |    |           |           |           |    |    |    |    |    |    |    |
|---|----|----|----|----|-----------|-----------|-----------|----|----|----|----|----|----|----|
| e | t  | e  | v  | x  | M         | X         | -         | V  | G  | E  | S  | C  | V  | X  |
| 1 | 7  | 13 | 19 | 25 | 31        | 37        | 43        | 49 | 55 | 61 | 67 | 73 | 79 | 85 |
| t | h  | m  | b  | x  | in<br>out | in<br>out | in<br>out | B  | R  | T  | H  | M  | B  | U  |
| 2 | 8  | 14 | 20 | 26 | 32        | 38        | 44        | 50 | 56 | 62 | 68 | 74 | 80 | 86 |
| a | r  | f  | g  | g  | .         | A         | Q         | C  | T  | A  | R  | F  | G  | H  |
| 3 | 9  | 15 | 21 | 27 | 33        | 39        | 45        | 51 | 57 | 63 | 69 | 75 | 81 | 87 |
| o | d  | w  | k  | Y  | -         | I         | L         | D  | J  | O  | D  | W  | K  | K  |
| 4 | 10 | 16 | 22 | 28 | 34        | 40        | 46        | 52 | 58 | 64 | 70 | 76 | 82 | 88 |
| i | l  | y  | q  | #  | S         | -         | .         | E  | P  | I  | L  | Y  | Q  | N  |
| 5 | 11 | 17 | 23 | 29 | 35        | 41        | 47        | 53 | 59 | 65 | 71 | 77 | 83 | 89 |
| n | u  | p  | j  | W  | i         | Z         | O         | F  | Z  | N  | U  | P  | J  | -  |
| 6 | 12 | 18 | 24 | 30 | 36        | 42        | 48        | 54 | 60 | 66 | 72 | 78 | 84 | 90 |

LOWER CASE AND CAPS OF SAME FACE IN LOWER CASE AND CAP  
CHANNELS—CAPS OF ANOTHER FACE IN CENTER CHANNELS

DIAGRAM No. 87

|   |    |    |    |    |           |           |           |    |    |    |    |    |    |    |
|---|----|----|----|----|-----------|-----------|-----------|----|----|----|----|----|----|----|
| E | S  | C  | V  | -  | 3         | 4         | -         | 1  | 7  | E  | S  | C  | V  | 7  |
| 1 | 7  | 13 | 19 | 25 | 31        | 37        | 43        | 49 | 55 | 61 | 67 | 73 | 79 | 85 |
| T | H  | M  | B  | '  | in<br>out | in<br>out | in<br>out | 2  | 8  | T  | H  | M  | B  | 8  |
| 2 | 8  | 14 | 20 | 26 | 32        | 38        | 44        | 50 | 56 | 62 | 68 | 74 | 80 | 86 |
| A | R  | F  | G  | :  | .         | .         | .         | 3  | 9  | A  | R  | F  | G  | 9  |
| 3 | 9  | 15 | 21 | 27 | 33        | 39        | 45        | 51 | 57 | 63 | 69 | 75 | 81 | 87 |
| O | D  | W  | K  | l  | -         | S         | !         | 4  | 0  | O  | D  | W  | K  | 0  |
| 4 | 10 | 16 | 22 | 28 | 34        | 40        | 46        | 52 | 58 | 64 | 70 | 76 | 82 | 88 |
| I | L  | Y  | Q  | -  | :         | '         | '         | 5  | ?  | I  | L  | Y  | Q  | \$ |
| 5 | 11 | 17 | 23 | 29 | 35        | 41        | 47        | 53 | 59 | 65 | 71 | 77 | 83 | 89 |
| N | U  | P  | J  | 2  | :         | !         | 6         | 6  | ?  | N  | U  | P  | J  | \$ |
| 6 | 12 | 18 | 24 | 30 | 36        | 42        | 48        | 54 | 60 | 66 | 72 | 78 | 84 | 90 |

TWO CAP FONTS IN 90-CHANNEL MAGAZINE

DIAGRAM No. 5-A

|   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| E | S  | C  | V  | X  | E  | S  | C  | V  | X  | E  | S  | C  | V  | X  |
| 1 | 7  | 13 | 19 | 25 | 31 | 37 | 43 | 49 | 55 | 61 | 67 | 73 | 79 | 85 |
| T | H  | M  | B  | Z  | T  | H  | M  | B  | Z  | T  | H  | M  | B  | Z  |
| 2 | 8  | 14 | 20 | 26 | 32 | 38 | 44 | 50 | 56 | 62 | 68 | 74 | 80 | 86 |
| A | R  | F  | G  | .  | A  | R  | F  | G  | .  | A  | R  | F  | G  | .  |
| 3 | 9  | 15 | 21 | 27 | 33 | 39 | 45 | 51 | 57 | 63 | 69 | 75 | 81 | 87 |
| O | D  | W  | K  | .  | O  | D  | W  | K  | .  | O  | D  | W  | K  | .  |
| 4 | 10 | 16 | 22 | 28 | 34 | 40 | 46 | 52 | 58 | 64 | 70 | 76 | 82 | 88 |
| I | L  | Y  | Q  | .  | I  | L  | Y  | Q  | .  | I  | L  | Y  | Q  | .  |
| 5 | 11 | 17 | 23 | 29 | 35 | 41 | 47 | 53 | 59 | 65 | 71 | 77 | 83 | 89 |
| N | U  | P  | J  | .  | N  | U  | P  | J  | .  | N  | U  | P  | J  | .  |
| 6 | 12 | 18 | 24 | 30 | 36 | 42 | 48 | 54 | 60 | 66 | 72 | 78 | 84 | 90 |

THREE CAP FONTS IN 90-CHANNEL MAGAZINE

(Caps in center channels according to regular Cap Layout)

DIAGRAM No. 22

|   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| E | S  | C  | V  | X  | M  | X  | .  | V  | G  | E  | S  | C  | V  | X  |
| 1 | 7  | 13 | 19 | 25 | 31 | 37 | 43 | 49 | 55 | 61 | 67 | 73 | 79 | 85 |
| T | H  | M  | B  | Z  | .  | .  | .  | .  | .  | T  | H  | M  | B  | U  |
| 2 | 8  | 14 | 20 | 26 | 32 | 38 | 44 | 50 | 56 | 62 | 68 | 74 | 80 | 86 |
| A | R  | F  | G  | .  | .  | A  | Q  | C  | T  | A  | R  | F  | G  | H  |
| 3 | 9  | 15 | 21 | 27 | 33 | 39 | 45 | 51 | 57 | 63 | 69 | 75 | 81 | 87 |
| O | O  | W  | K  | Y  | .  | I  | L  | D  | J  | O  | D  | W  | K  | X  |
| 4 | 10 | 16 | 22 | 28 | 34 | 40 | 46 | 52 | 58 | 64 | 70 | 76 | 82 | 88 |
| I | L  | Y  | Q  | .  | S  | .  | .  | E  | P  | I  | L  | Y  | Q  | N  |
| 5 | 11 | 17 | 23 | 29 | 35 | 41 | 47 | 53 | 59 | 65 | 71 | 77 | 83 | 89 |
| N | U  | P  | J  | W  | :  | Z  | O  | F  | Z  | N  | U  | P  | I  | .  |
| 6 | 12 | 18 | 24 | 30 | 36 | 42 | 48 | 54 | 60 | 66 | 72 | 78 | 84 | 90 |

THREE CAP FONTS IN 90-CHANNEL MAGAZINE

(Caps in center channels according to regular Small Cap Layout)

DIAGRAM No. 138

|   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|
| E | S  | C  | V  | X  | 3  | 4  | -  | 1  | 7  | E  | S  | C  | V  | 7  |  |
| 1 | 7  | 13 | 16 | 25 | 27 | 43 | 45 | 58 | 61 | 67 | 72 | 78 | 85 |    |  |
| T | H  | M  | B  | Z  | 14 | 15 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 |  |
| 2 | 8  | 14 | 22 | 28 | 32 | 36 | 44 | 50 | 55 | 62 | 66 | 74 | 80 | 86 |  |
| A | R  | F  | G  | &  | ,  | .  | /  | 3  | 9  | A  | R  | F  | G  | 9  |  |
| 3 | 9  | 18 | 21 | 27 | 33 | 36 | 46 | 51 | 57 | 63 | 65 | 78 | 81 | 87 |  |
| O | D  | W  | K  | I  | -  | 5  | *  | 4  | 0  | O  | D  | W  | K  | 0  |  |
| 4 | 10 | 18 | 22 | 28 | 34 | 40 | 46 | 52 | 58 | 64 | 70 | 76 | 82 | 88 |  |
| I | L  | Y  | Q  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |  |
| 5 | 11 | 17 | 23 | 29 | 35 | 41 | 47 | 53 | 59 | 65 | 71 | 77 | 83 | 89 |  |
| N | U  | P  | J  | 2  | 1  | 8  | 6  | 8  | 10 | 11 | 12 | 13 | 14 | 15 |  |
| 6 | 12 | 18 | 24 | 30 | 36 | 42 | 48 | 54 | 60 | 66 | 72 | 78 | 84 | 90 |  |

TWO LINING FACES IN 90-CHANNEL MAGAZINE

DIAGRAM No. 98

|   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|
| E | S  | C  | V  | X  | M  | X  | -  | V  | G  | E  | S  | C  | V  | 10 |  |
| 1 | 7  | 13 | 16 | 25 | 31 | 37 | 43 | 48 | 55 | 61 | 67 | 73 | 78 | 85 |  |
| T | H  | M  | B  | Z  | 14 | 15 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 |  |
| 2 | 8  | 14 | 22 | 28 | 32 | 36 | 44 | 50 | 55 | 62 | 66 | 74 | 80 | 86 |  |
| A | R  | F  | G  | Z  | ,  | A  | Q  | C  | T  | A  | R  | F  | G  | H  |  |
| 3 | 9  | 18 | 21 | 27 | 33 | 36 | 46 | 51 | 57 | 63 | 65 | 78 | 81 | 87 |  |
| O | D  | W  | K  | Y  | -  | I  | L  | D  | J  | O  | D  | W  | K  | K  |  |
| 4 | 10 | 18 | 22 | 28 | 34 | 40 | 46 | 52 | 58 | 64 | 70 | 76 | 82 | 88 |  |
| I | L  | Y  | Q  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |  |
| 5 | 11 | 17 | 23 | 29 | 35 | 41 | 47 | 53 | 59 | 65 | 71 | 77 | 83 | 89 |  |
| N | U  | P  | J  | W  | -  | .  | .  | O  | F  | 10 | 11 | 12 | 13 | 14 |  |
| 6 | 12 | 18 | 24 | 30 | 36 | 42 | 48 | 54 | 60 | 66 | 72 | 78 | 84 | 90 |  |

THREE LINING FACES IN 90-CHANNEL MAGAZINE



DIAGRAM No. 13

|    |    |    |     |     |     |     |     |     |     |    |    |    |     |     |
|----|----|----|-----|-----|-----|-----|-----|-----|-----|----|----|----|-----|-----|
| 17 | 35 | 8  | 115 | 116 | 37  | 104 | 116 | 121 | 127 | 17 | 35 | 8  | 115 | 116 |
| 7  | 1  | 1  | 11  | "   | 7   | ?   | -   | 1   | 7   | 7  | 1  | 1  | 11  | "   |
| 1  | 3  | 13 | 14  | 28  | 31  | 37  | 83  | 48  | 80  | 81 | 87 | 73 | 79  | 85  |
| 15 | 27 | 18 | 18  | 7   | 87  | 88  | 90  | 127 | 128 | 18 | 21 | 35 | 78  | 7   |
| 1  | 7  | 8  | 14  | 20  | 25  | 32  | 38  | 44  | 80  | 85 | 87 | 68 | 74  | 80  |
| 1  | 7  | 5  | 2   | 8   | 1   | (   | )   | 3   | 9   | 1  | 7  | 5  | 2   | 8   |
| 3  | 8  | 14 | 21  | 27  | 32  | 38  | 45  | 85  | 87  | 87 | 85 | 78 | 81  | 87  |
| 38 | 58 | 9  | 30  | 8   | 104 | 112 | 121 | 124 | 125 | 18 | 23 | 8  | 78  | 8   |
| 4  | 16 | 18 | 23  | 28  | 34  | 40  | 48  | 82  | 88  | 64 | 78 | 78 | 82  | 88  |
| 5  | 18 | 18 | 23  | 28  | 34  | 40  | 48  | 82  | 88  | 64 | 78 | 78 | 82  | 88  |
| 5  | 11 | 17 | 23  | 28  | 34  | 40  | 41  | 85  | 88  | 64 | 71 | 77 | 82  | 88  |
| 38 | 34 | 7  | 16  | 30  | 103 | 108 | 126 | 128 | 25  | 35 | 7  | 78 | 82  | 124 |
| 6  | 12 | 18 | 24  | 38  | 42  | 48  | 54  | 80  | 80  | 72 | 78 | 84 | 88  | 88  |

HEBREW-TWO FONTS IN 90-CHANNEL MAGAZINE

(Numbers over keyboard are character numbers)

DIAGRAM No. 150

|   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| a | a  | e  | v  | x  | m  | 7  | -  | 1  | 7  | E  | S  | C  | V  | X  |
| 1 | 7  | 12 | 16 | 28 | 31 | 37 | 42 | 48 | 88 | 81 | 87 | 73 | 78 | 85 |
| 1 | h  | m  | b  | x  | 10 | 10 | 10 | 2  | 8  | T  | H  | M  | B  | Z  |
| 2 | 8  | 14 | 28 | 38 | 32 | 38 | 44 | 50 | 56 | 82 | 88 | 74 | 80 | 84 |
| a | f  | f  | g  | 6  | -  | (  | )  | 3  | 9  | A  | R  | F  | G  | 10 |
| 3 | 8  | 18 | 21 | 27 | 32 | 38 | 48 | 81 | 87 | 82 | 85 | 78 | 81 | 87 |
| o | d  | w  | k  | y  | -  | 1  | -  | 4  | 8  | O  | D  | W  | K  | 10 |
| 4 | 10 | 18 | 22 | 28 | 34 | 40 | 48 | 52 | 58 | 84 | 78 | 78 | 82 | 88 |
| i | i  | y  | q  | 6  | 1  | 1  | 1  | S  | S  | I  | L  | Y  | Q  | 10 |
| 5 | 15 | 17 | 23 | 28 | 35 | 41 | 47 | 82 | 82 | 85 | 71 | 77 | 83 | 88 |
| n | u  | p  | j  | 10 | 1  | 1  | 1  | 6  | 6  | 10 | N  | U  | P  | J  |
| 6 | 12 | 18 | 24 | 30 | 38 | 42 | 48 | 54 | 60 | 86 | 72 | 78 | 84 | 88 |

Keys with  
divided border  
are insensitive  
when using  
12-channel  
magazine

73-90-CHANNEL KEYBOARD, 2 IN 1 UNOTYPE

(Combination of Diagrams 12 and 150-C)

DIAGRAM No. 103-C

|   |    |    |    |    |           |           |           |    |    |    |    |    |    |           |
|---|----|----|----|----|-----------|-----------|-----------|----|----|----|----|----|----|-----------|
| c | a  | e  | v  | x  |           |           |           | l  | 7  | E  | S  | C  | V  | X         |
| 1 | 7  | 13 | 16 | 25 |           |           |           | 31 | 38 | 42 | 46 | 55 | 61 | 67        |
| t | h  | m  | b  | z  | he<br>dia | ii<br>dia | no<br>dia | 2  | 8  | T  | H  | M  | B  | Z         |
| 2 | 8  | 14 | 23 | 26 | 30        | 36        | 42        | 31 | 38 | 44 | 50 | 56 | 62 | 66        |
| a | r  | f  | g  |    | ,         |           |           | 3  | 9  | A  | R  | F  | G  | -         |
| 3 | 6  | 15 | 21 | 27 |           |           |           | 33 | 40 | 45 | 51 | 57 | 63 | 68        |
| o | d  | w  | k  |    | .         |           |           | 4  | 10 | O  | D  | W  | K  | no<br>dia |
| 4 | 10 | 18 | 22 | 28 |           |           |           | 34 | 41 | 46 | 52 | 58 | 64 | 70        |
| i | l  | y  | q  |    |           |           |           | 5  |    | I  | L  | Y  | Q  | ,         |
| 5 | 11 | 17 | 23 |    |           |           |           | 35 |    | 47 | 53 | 59 | 65 | 71        |
| n | u  | p  | j  |    | :         |           |           | 6  |    | N  | U  | P  | J  | \$        |
| 6 | 12 | 19 | 24 | 29 |           |           |           | 37 |    | 48 | 54 | 60 | 66 | 72        |

72-CHANNEL FACE

(72-96-Channel Keyboard, 2 in 1 Linotype)

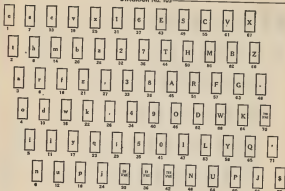
DIAGRAM No. 149

|   |    |    |    |    |           |           |           |    |    |    |    |    |    |    |
|---|----|----|----|----|-----------|-----------|-----------|----|----|----|----|----|----|----|
| a | s  | c  | v  | x  |           |           |           | ,  | ,  | e  | s  | c  | v  | x  |
| 1 | 7  | 13 | 16 | 25 |           |           |           | 31 | 36 | 43 | 46 | 55 | 61 | 67 |
| t | h  | m  | b  | z  | he<br>dia | ii<br>dia | no<br>dia | ,  | ,  | t  | h  | m  | b  | z  |
| 2 | 8  | 14 | 23 | 26 | 30        | 36        | 42        | 31 | 36 | 44 | 50 | 56 | 62 | 66 |
| a | r  | f  | g  |    | ,         |           |           | :  | :  | a  | r  | f  | g  | ,  |
| 3 | 6  | 15 | 21 | 27 |           |           |           | 32 | 40 | 45 | 51 | 57 | 63 | 69 |
| o | d  | w  | k  |    | .         |           |           | -  | -  | o  | d  | w  | k  | .  |
| 4 | 10 | 18 | 22 | 28 |           |           |           | 34 | 41 | 46 | 52 | 58 | 64 | 70 |
| i | l  | y  | q  |    |           |           |           | \$ |    | i  | l  | y  | q  |    |
| 5 | 11 | 17 | 23 |    |           |           |           | 35 |    | 47 | 53 | 59 | 65 | 71 |
| n | u  | p  | j  |    | :         |           |           | :  |    | n  | u  | p  | j  | \$ |
| 6 | 12 | 19 | 24 | 29 |           |           |           | 37 |    | 48 | 54 | 60 | 66 | 72 |

TWO LOWER CASE FONTS IN 72-CHANNEL MAGAZINE

(72-96-Channel Keyboard, 2 in 1 Linotype)

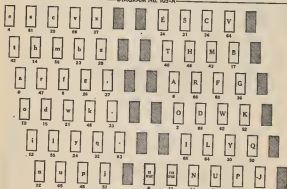
DIAGRAM No. 103



72-CHANNEL FACE

(72-Channel Keyboard)

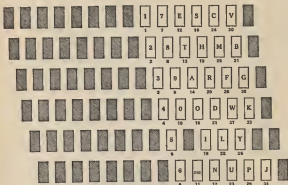
DIAGRAM No. 103-A



55-CHANNEL FACE IN 72-CHANNEL MAGAZINE

(72-Channel Keyboard)

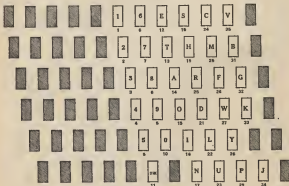
DIAGRAM No. 52



CAPS AND FIGURES IN 34-CHANNEL AUXILIARY MAGAZINE

(96- or 72-90 Channel Keyboard)

DIAGRAM No. 163



CAPS AND FIGURES IN 34-CHANNEL AUXILIARY MAGAZINE

(72-Channel Keyboard)



DIAGRAM No. 177



CAPS AND FIGURES IN 34-CHANNEL AUXILIARY MAGAZINE  
(Linotypes with Separate Auxiliary Keyboard)

DIAGRAM No. 177A



LOWER CASE AND POINTS IN 34-CHANNEL AUXILIARY MAGAZINE  
(Linotypes with Separate Auxiliary Keyboard)



ADVERTISING FIGURES IN 36-CHANNEL AUXILIARY MAGAZINE  
(Linotypes with Separate Auxiliary Keyboard)

DIAGRAM No. 95



CAPS IN 28-CHANNEL AUXILIARY MAGAZINE

DIAGRAM No. 96



TWO SETS OF ADVERTISING FIGURES IN 28-CHANNEL AUXILIARY MAGAZINE



## The Care and Maintenance of MATRICES

THE DICTIONARY gives as one of the definitions of the word *matrix*, "a mold in which printers' letters are cast." Immediately the matrix assumes a position of paramount importance to the printer, for he realizes that the ultimate quality of the product lies in the perfection of the type mold, or matrix.

Linotype matrix distribution is, in many ways, the most ingenious part of the whole machine. It has been achieved through the use of matrix tooth combinations, each character running in the magazine having its own particular combination. The term "tooth combination" refers to the teeth or projections on the inside of the "v" notch of the matrix. There are seven of these teeth on each side as illustrated. The various combinations of matrix and distributor bar make it possible for the matrices to find their proper magazine channels properly and automatically. In this way the matrices are used over and over. Properly cared for, they will wear indefinitely. Carelessly used, without attention being given to machine adjustments, matrices suffer unnecessarily.

The lugs, or "ears" as they are sometimes called are equally important in the proper functioning of matrices, since they control the alignment of each letter in the lines and are the key to fine composition or just the reverse, if abused or improperly cared for.

The importance of proper matrix care cannot be overly stressed. There are some fundamental conditions which should be kept in mind. Intelligent and frequent checkups of the matrices themselves and the mechanisms affecting their operation will contribute to continued satisfaction. On the pages that follow are some useful pointers.

### TO SAFEGUARD MATRIX TEETH

The matrix should travel from one position or transfer point to another with a maximum of smoothness and with a minimum of friction and resultant wear. The teeth of the matrix, as well as the grooves of the second elevator and distributor box bars, and the segments of the distributor bar are necessarily interdependent and inseparable in maintaining a perfectly coordinated distributing mechanism.

The matrix tooth combination, under ordinary conditions, will last for years. It is possible, however, to ruin a set of matrices in

*Useful Matrix Information*



a short time by burring or damaging the teeth. The cause of the tooth combinations becoming injured is invariably due to bad alignment at one or possibly all of the various transfer points.

There are three of these transfers; that is to say, the matrices are transferred at three distinct points where the teeth are involved.

The first transfer is from the first elevator jaw to the second elevator bar at the intermediate channel. A matrix, when in position in the first elevator jaw at the transfer point, should line with the bar so that a perfect transfer to the bar can be obtained without binding. There is an adjusting screw at the bottom of the first elevator slide, on the right-hand side, for raising or lowering the slide. The alignment of the first elevator jaw rails and the intermediate channel rails should be perfect. This will take care of the vertical alignment.

Then, to take care of lateral alignment at the point where the matrix is supported by the first elevator jaw rails, and is just sliding on to the second elevator bar, there is an intermediate channel front plate extension which, by means of screw bushings, makes it possible to move the second elevator bar either toward the front or the rear, as may be desirable to secure a true aligning condition of matrix teeth and bar. This is one of the most important adjustments from the standpoint of the matrix teeth, and it should be handled with care to see that the bar is parallel with the channels. The second elevator bar should, of course, be perfectly smooth and free from burrs, as should be the other two bars along which the matrix must travel.

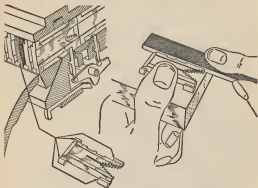
The second transfer is from the second elevator bar to the distributor box bar. The second elevator, when in its normal position, should be so adjusted that the second elevator bar will line up with the distributor box bar.

The third transfer is from the distributor box rails to the distributor bar. These rails should be perfectly square with one another. Place a matrix on the distributor box rails and raise up the outside distributor screw; turn the distributor screws slowly by hand and see that the matrix when supported on the distributor box rails will transfer freely on to the distributor bar.

Perfect alignment should be maintained at all the above mentioned points. It is to the advantage of the Linotype user, in the interest of the long life of matrices, to occasionally check these adjustments and to make slight corrections that may be found necessary.

## REPAIRING DAMAGED LUGS

If the lugs of matrices become bent, straighten them with a pair of parallel jaw pliers. If a hammer is used to straighten them, care should be taken not to hammer them hard enough to distort their shape.



*View of portion of magazine and matrix, showing ear burred or sharp edge thrown up which prevents rapid and smooth sliding of matrix through the channel in the magazine. In this view the burr, or projection in the matrix is exaggerated. At the right in this view is shown a board, a matrix, and the method in which the burr, or projection can be removed with a fine file. In using a file in this way, only one with a safety edge should be used, and care must be taken not to file away the body, or main portion of the ear, but only the raw edge or burr upon the ear. If too much is filed away, especially on thin matrices, the lugs will probably catch in the escapement verge pawls.*

## PREVENTING HAIRLINES

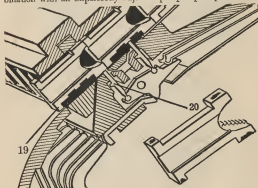
Care should be taken to preserve the side walls of matrices. When they are damaged, hairlines will show in the printed matter.

One of the most common causes of damaged side walls is the excessive use of oil on the felt of the back mold wiper or around the machine where it comes in contact with the matrices. In a perfectly justified line there is always a slight amount of air space between the matrices, but not enough to permit metal to pass through. Hot oil, however, has a peculiar capillary attraction for hot metal. Oil from the back mold wiper will flow ahead of hot metal, through the mold and into the small air spaces between the matrices. The hot metal under pressure of the plunger will follow this track of hot oil between the matrices and in time adhere to the side walls. The accumulation on the side walls will gradually build up until they are crushed, and then fins or hairlines will appear between the characters.

If the spacebands are not cleaned regularly, and metal is allowed to accumulate on the sleeves at the casting point, this metal will press against the side walls of the matrices, crushing them during the process of justification when the line is wedged tight between the vise jaws, and a font of matrices may be ruined in a very short time. The spacebands must be cleaned at least once during every eight hours of operation.

To clean spacebands, use a soft pine board sprinkled with Dixon's Graphite No. 635, and rub the sleeve of the spaceband to remove any metal that might show at the casting point. If the metal does not rub off easily, scrape with a piece of brass.

Damaged side walls may also be caused by loose lines in combination with an imperfectly adjusted pot pump stop which is



*View of a portion of a magazine, the escapement and key reeds, and an enlarged view of the matrix, showing where dirt and gum may accumulate on the matrix lug and prevent its smooth, quick action. The matrices must be kept clean.*

*The lower lug of the matrix is shown at 19. The original dimension of the lug from front to back is .125". If this lug is sheared or worn too much, when it passes over the hole through which the escapement post 20 works, it is apt to fall into the opening and prevent the matrix from dropping.*

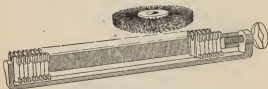
actuated by the right-hand vise jaw. See that the pot pump stop is adjusted and the right-hand vise jaw moves freely to prevent casting unless the line is tightly justified.

If tight lines are sent in, the inside lugs of the matrices will be sheared or burred when the mold comes against them, especially if the vise automatic is out of adjustment and the machine goes too far ahead before throwing out the clutch. If a tight line is sent in and stops between the jaws, it should be possible to lift the first elevator slide to remove a matrix from the jaws without turning the machine backward. Care should be taken in these matters as many matrices may be otherwise damaged at this point.

## CLEANING MATRICES

In the first place, care should be exercised to keep matrices clean. Avoid excessive use of graphite, handling with greasy hands, excessive oil in lubrication, etc. (See "Do and Do Not"). When matrices need cleaning, the simplest methods seem to be the best. One of the best known ways is the use of a wire buffer and matrix holder, shown below. The buffer is made of very fine wire, is about five inches in diameter and is designed to fit on the arbor of any standard composing-room saw. The holder of the matrices is 18 inches long. With this equipment a font of matrices can be cleaned in a very short time, and by turning the holder at right angles to the buffer it is possible to clean the gum from the sides of the lugs except on the thin matrices. The buffer is available with a  $\frac{3}{8}$ " hole (X-1673), and with a  $11/16$ " hole (X-1674). The holder is listed as X-1672.

Another method of cleaning matrices is Dixon Matrix Reference Cleaner (X-1604). Place a row of matrices on a type galley and polish the reference side; reverse the matrices and polish the lower lugs. If the lugs have gum on the sides, it may be necessary to rub the matrices over a soft felt to remove it.



*The wire buffer and matrix holder may be used for cleaning matrices. The buffer may also be used for polishing various other machine parts without damage to them, such as keyboard cams and yokes, key levers, trigger ends, verge escapements, assembler slides, etc.*

Graphite should never be used on the matrices or in the magazine. It may make the matrices drop well for a short time but in damp weather it is likely to cause gum to accumulate.

The principal cause of gum on the matrices and magazines is the excessive use of oil, particularly on the distributor screw bearings. At no time should oil show on the screws, as it eventually gets on the matrices and into the magazines. If a good quality of oil is used, one drop in each bearing every two weeks should be sufficient.

## THE TREATMENT OF NEW MATRICES

In order to secure the best results when new fonts of matrices are used in outstanding Linotypes, a few precautionary measures should be taken. For years, Linotype has issued the following instructions in each box of fonts of matrices. Adherence to these simple rules may prevent trouble later.

Magazines and spacebands should be thoroughly cleaned.

Spacebands which are rounded or damaged at the casting edge or which have the slightest particle of metal adhering to the sleeve at the casting point will damage the side walls of new matrices very quickly.

Spacebands which have been bent and improperly straightened, that is, wedges with kinks or buckles in them, will positively permit metal to flow between the wedge and the adjoining matrix.

All spacebands should be carefully micrometered and inspected with a knife straight edge for rounded corners on the sleeves. They should show a micrometer reading which is even when measuring sleeve and wedge together at the casting point on the spaceband and on the front of the band or a plus measurement on the casting side up to .0005 inch. In no case should bands be used which are minus on the casting side. If the corner of the sleeve at the casting point is found to be rounded when examining the bands with a knife straight edge, or with a new piece of hair-line rule if a straight edge is not available, new sleeves should be applied, as metal will quickly gather at the casting point of the sleeve under this condition when used with brand new matrices.

Both front lockup adjustments should be inspected and properly corrected if this is found to be necessary.

While it is possible on old machines to secure satisfactory results with spacebands which are worn and rounded and with front lockup adjustments slightly off, this is possible because of the gradual building up of false side walls on the matrices, and the fact that the wrong condition of spacebands and adjustments gradually came into existence. However, when new matrices are installed, trouble will surely be experienced because of the wrong conditions in the machine and spacebands.

Before using new matrices in an old machine it is also important that the vise jaws be checked for squareness, since after a number of years service these jaws will show wear, causing hair-lines. To avoid this condition, it is advisable to have these vise jaws reground.

At the face alignment position of the machine you should be able to lift the first elevator by hand .010 inch, and this measurement should not be exceeded. When two-letter 18- and 24-point matrices are used, this figure is reduced to .005 inch. This test is to be made with a thirty-em line of matrices, without spacebands, in the first elevator jaws.

Carefully set the Pump Lever Stop Lever so that when the line is fully justified the stop lever will be open beyond the block on the pump lever not more than 1/64 inch.

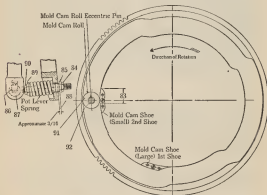
First elevator link eyebolts and nuts, upper and lower, should be checked and if they show undue wear they should be replaced.

Other and important points that should be checked are the back and front mold wipers. Oil in any form used at these points will cause metal to collect on the side of the matrix, crush the side-wall, and result in hairlines.

Do not use oil on pot pump plungers after cleaning them, nor should oil be used in the remelting furnace in an attempt to burn dirt out of the metal.

#### ADJUSTMENT OF MOLD CAM LEVER ECCENTRIC PIN

To adjust Mold Slide so that there is proper clearance, between face of Mold and Matrix when justification takes place, the Mold Cam Roll Eccentric Pin must be adjusted when Mold Cam Roll is on section of Mold Slide Cam marked 83 which is the highest point of Cam, and when Mold Cam Roll is on point 83 and Eccentric Pin is properly adjusted the space between face of Mold and the Vise Jaws or Matrix should not be less than .003 or over .005. This must be determined by using a thickness gauge.



Before making the adjustment of Eccentric Pin, it will be necessary to release the pressure of Pot Lever Spring. This is done by removing Lock Nuts 84 and 85, Wing Pin 86 and Eyebolt 87. Lock Nuts 89 and 90 must not be disturbed.

When the adjustment is complete, restore parts 84, 85, 86 and 87 to original position, taking care that space 88 is approximately 3/16 of an inch when Pot is in casting position.

## To Conserve The Life of Your Matrices

### DO

CLEAN spacebands every eight hours of service.

#### DO

RENEW the assembling elevator matrix buffer when it becomes worn. This is a small piece of fiber on the inside of the right-hand end of the assembling elevator. If worn it permits the incoming matrices to strike the steel back rail plate and damage the aligning lugs of the matrices.

#### DO

RENEW assembling elevator detaining plates, front and back plate, when worn. These are small steel plates on the right-hand end of the assembling elevator at the bottom and support the matrices in an upright position during assembling.

#### DO

RENEW assembling elevator gate pawls, front and back, if worn. They prevent the last matrix in the line from falling down and damaging sidewalls and lugs.

#### DO

ADJUST the assembler chute finger to the proper angle to cause the incoming matrix to strike outside the sidewall area of the preceding matrix in the line. This will prevent damage to sidewalls and the resultant hairlines.

#### DO

CLEAN matrices on the lugs only with a rubber eraser or a specially designed rotary metal brush, described elsewhere in this booklet.

#### DO

REMOVE promptly from fonts all matrices that show hairlines from crushed sidewalls or those that are bent or have badly bruised lugs. Such matrices will progressively damage the entire font if allowed to

remain in use and come in contact with good matrices during circulation. Many such matrices can be repaired and restored to useful service.

#### DO

SEE that the inside edge of the assembler cover (the small one covering the assembler block) does not project inwardly beyond the line of the inside edge of the large cover. Any projection will cause the matrix lugs to strike and raise a burr.

#### DO

SEE that the pot pump stop is working freely and adjusted to prevent casting short lines. A loosely justified line permits metal to run between matrices and crush sidewalls, resulting in hairlines.

#### DO

SEE that the teeth on the second elevator bar and distributor box bar are free of burrs which may damage the combination teeth.

#### DO

PICK UP and return to the magazine promptly matrices that fall to the floor. Once stepped on or mixed with metal shavings they are sure to be damaged irreparably.

#### DO

MAKE it a practice to take font proofs occasionally of all characters cast in groups alphabetically. This will enable you to spot and remove damaged matrices before they contaminate the perfect ones.

#### DO

REPLACE star wheels when the edges become rounded. Worn star wheels do not push matrices inside of assembler gate pawls and detents, but cause them to fall back in the assembling elevator and become clogged and damaged.



## To Conserve The Life of Your Matrices

### DO NOT

DO NOT dump matrices loosely in a container for cleaning. If carbon tetrachloride is used for cleaning, arrange the matrices on a galley and carefully brush the lugs with a brush dipped in the liquid.

#### DO NOT

DO NOT clean matrices with any liquid solvent containing chromic acid. This acid is a brass solvent. Even a weak solution will pit the character, destroy the sidewalls and cause metal to adhere to the sides, resulting in defective type surfaces on the slug and hairlines between the characters.

#### DO NOT

DO NOT use oil on the back mold wiper or to excess in other places where it can come in contact with matrices. Oil on the side of matrices makes a path for molten metal to be forced between them. This metal gradually builds up on the side and the walls eventually become crushed and produce hairlines.

#### DO NOT

DO NOT operate the keyboard or handle matrices with dirt or grease on your hands. Keep your hands and the machine clean. Greasy dirt is the worst enemy of matrices.

#### DO NOT

DO NOT neglect to clean spacehands once every eight-hour shift. If polished with loose graphite see that loose particles are removed before returning spacehands to the box.

#### DO NOT

DO NOT use graphite on matrices or in magazines. Moisture on the hands or a humid atmosphere causes

graphite to form an oily deposit which eventually becomes a hard cake on the sides of the matrices and in the channels. This condition results in the necessity of frequent cleaning and naturally leads to damage through unnecessary handling. The lugs of the matrices may be polished with dry graphite after cleaning.

#### DO NOT

DO NOT force a tight line into the vise jaws. This practice causes the aligning lugs to be sheared and irreparably damaged, and is hard on the spacebands.

#### DO NOT

DO NOT send in loose or short lines unless you are sure the pot pump stop safety is operating perfectly. A front squirt may ruin several dollars' worth of matrices and spacebands. A little care at this point pays good dividends in time and money.

#### DO NOT

DO NOT remove matrices that may have become wedged tightly in a jammed line in a careless or forceful manner. Go about it easily and carefully, remembering that an average 12-em line contains about \$6.00 worth of matrices and spacebands.

#### DO NOT

DO NOT fail to replace that worn star wheel promptly, and thus guard against sending in tight lines.

#### DO NOT

DO NOT overlook the importance of keeping the pawls in first elevator jaws in good condition. They prevent matrices falling out of the first elevator jaws in recasting, which invariably results in serious damage.

## Every Printer Needs

## A SHORTER, Easier-to-use, and more...

Complete original details of Festival/Exposition of Gothic Craftsmen  
No. 1 was available in U. S. and U.K. print, before was sent for final  
copy when handled like this

The dog is set to the proper length and tension between the large clips; *fronts are shown here*

6|29c 5|48c 4|25c

[illegible]LEGE OF SPRING LAMB  $\frac{1}{2} = 15$ 

1995. On growth of *Alnus* L. — 194.

RADSHIPS 1999-2000 2, 3, 5, 6, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 84

**Radishes** — **1 1/2 cups** — **1 1/2 cups** — **1 1/2 cups**  
 These are a good source of vitamin C and contain a small amount of fiber. They are also a good source of potassium and calcium. They are also a good source of iron and zinc. They are also a good source of magnesium and phosphorus. They are also a good source of selenium and copper. They are also a good source of manganese and chromium. They are also a good source of vanadium and cobalt. They are also a good source of molybdenum and nickel. They are also a good source of boron and silicon. They are also a good source of aluminum and gallium. They are also a good source of indium and tin. They are also a good source of lead and bismuth. They are also a good source of antimony and tellurium. They are also a good source of selenium and copper. They are also a good source of manganese and chromium. They are also a good source of vanadium and cobalt. They are also a good source of molybdenum and nickel. They are also a good source of boron and silicon. They are also a good source of aluminum and gallium. They are also a good source of indium and tin. They are also a good source of lead and bismuth. They are also a good source of antimony and tellurium.

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**RADISHES** — 3c

A page from Linotype Keyboard Operation which shows some of the hundreds of graphic demonstrations of composition styles.

*Linotype Machine Principles* has been arranged in the sequence of the basic operations of the machine. Included in this book are detailed descriptions of the new features of the Linotype together with instructions on their care and operation (Micro-Therm, Self-Quadder, the Universal Precision Knife Block, and other features).

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Linotype Machine Principles is \$3.50 a copy post paid (\$4.15 in Canada) from any Linotype agency, including shipping costs.

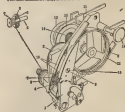
THE NEW EDITION of *Linotype Keyboard Operation* has been carefully revised, brought up to date and reset in Linotype Caledonia. This book has been written from the point of view of the operator and includes detailed discussions and explanations of most of the work he encounters.

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**Linotype Keyboard Operation** may be ordered from any agency for \$2.75 a copy post paid (\$3.50 in Canada), including packing and handling.

44 *Language Workshop Quarterly*

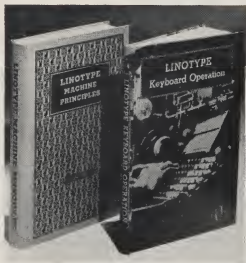
These models are provided with an adjustable level cushioning mechanism which allows the upper cervical levels of the neck of a patient treated at the right of the backboard, to move and thus be assembled rapidly to the spine line from two different positions.

[illegible]

The first rule is pretty obvious: for each group of the star wheel, by increasing the number of the first rule, you get the labels which represent the rules, we have used, respectively, to obtain the numbers given inside of the wheel (2).

A page from *Linotype Machine Principles* showing the careful attention to detail that is characteristic of the whole book.

# These Two Books—



THE TWO BOOKS that every printer, operator, machinist, apprentice and student of printing should have, *Linotype Machine Principles* and *Linotype Keyboard Operation*, published by the Linotype Company.

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Every Linotype agency has these two books in stock. Mail your order to your nearest agency. Either or both books (as desired) will come to you by return mail post paid. Or ask your Linotype Production Engineer.

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